GRAIN DEALERS JOURNAL

Published on the 10th and 25th of each month in the interest of progressive Grain Dealers.

Vol. XXV. No. 8. CHICAGO, ILL., OCTOBER 25, 1910. PRICE $1.50 PER YEAR. TEN CENTS PER COPY.

McKENNA & RODGERS
COMMISSION MERCHANTS
SHIPPERS CORN OATS
60 Board of Trade Chicago

TRANS-MISSISSIPPI GRAIN CO.
SHIPPERS OF
CORN—kiln dried and natural.
OATS—natural and purified.
Nebraska Hard Winter Wheat.
OMAHA, NEBRASKA

SEEDS
CLOVER, TIMOTHY, CANADIAN BLUE GRASS, FIELD PEAS, ETC.
Correspondence Solicited.
STEELE, BRIGGS SEED CO. Limited,
TORONTO, CANADA

P. B. & C. C. MILES
Established 1875 Incorporated 1910
PEORIA, ILL.
Handling Grain on Commission Our Specialty.

James E. Bennett & Co.
Established 1880
Grain Consignments and Future Orders Solicited
Private Wires. Branch Offices
400 Postal Telegraph Building, Chicago

Tyng, Hall & Co.
GRAIN COMMISSION
Correspondence Solicited. Peoria, Ill.

FAGG & TAYLOR
GRAIN MERCHANTS
34 Chamber of Commerce
MILWAUKEE, WIS
SPECIALTIES:
Wisconsin Grown
BARLEY OATS RYE

The Best Services of
PITT BROS & CO.
GRAIN
BALTIMORE, MD.
At Your Command

ATS
Wheat Corn Rye
J. A. Manger & Co.
216-218 Chamber of Commerce
BALTIMORE MARYLAND

FIELD AND GRASS SEEDS
CLOVERS A SPECIALTY
S. G. COURTEEN
Milwaukee, Wis.

CONSIGNING ANY GRAIN TO
BUFFALO?
TRY
DUDLEY M. IRWIN
1117 Chamber of Commerce, BUFFALO, N. Y.

THE GALE BROS. CO.
Cincinnati, Ohio
Want Your Business
GRAIN — HAY — FEED
TRY US.

CALDWELLS
HELICOID

Seamless Steel Elevator Buckets, Elevator Boots, Rope Transmission Machinery, Sprocket Wheels, Link Belting, Shafting, Belting, Hangers, Pulleys, Gears, Carpullers, Wood Split Pulleys, Complete Equipment for Handling Materials of All Kinds.

THE HELICOID is a distinct improvement over old style sectional-flight conveyors in durability, saving of power in operation, and regularity with which the material is carried forward. The only perfect spiral conveyor; continuous flight—no laps or rivets.

H. W. Caldwell & Son Co., Western Ave., 17th-18th St. **Chicago**
New York City, Fulton Bldg., Hudson Terminal, 50 Church St.

Directory of the Grain Trade

*Member Grain Dealers National Association.

AMARILLO, TEX.

Early Grain & Elev. Co., whol. grain, hay, seed.

ATCHISON, KANS.

Blair Elevator Co., receivers and shippers.

ATLANTA, GA.

Gregg & Son, J., wholesale brokers, grain, hay.*

AUGUSTA, GA.

Lamb & Hollingsworth, flour, grain, provisions.

BALTIMORE, MD.

Baltimore Commission Co., grain commission.
Blackburn & Co., C. P., grain recvrs., exporters.*
Clark & Sons, Thos. S., grain receivers.*
England & Co., Chas., grain, hay.*
Fahey & Co., John T., gr'n receivers and exptrs.*
Frisch & Co., J. M., grain and hay receivers.*
Gill & Fisher, receivers and shippers of grain.
Hammond, Snyder & Co., Inc., receivers, exptrs.*
Hax & Co., G. A., grain, hay, seeds.*
Herzer & Son, Gustav, grain, seeds, hay.
Huyett, D. Yulee, grain commission.
Johnston Co., Thos., grain receivers.*
Jones & Co., H. C., grain and hay.*
Kirwan Bros. Grain Co., grain and hay.*
Lederer Bros., grain receivers.*
Manger & Co., J. A., grain, seeds, hay.*
Muller Co., Louis, receivers and exporters.*
Pitt Bros. & Co., receivers and exporters.*
Robinson & Jackson, grain receivers.*

BATTLE CREEK, MICH.

McLane, Swift & Co., grain buyers.*

BINGHAMTON, N. Y.

Empire Grain & Eltr. Co., grain, feed shippers.

BLACKWELL, OKLA.

Beutke Bros., hay, grain and alfalfa meal.

BLOOMINGTON, ILL.

Baldwin Grain Co., grain brokers.
Hasenwinkle Grain Co., brokers.
Slick & Co., L. E., buyers and shippers.

BOSTON, MASS.

Benzaquin, Matthew D., grain, brokerage, com'm.
Campbell & Burnham, grain, feed.
Cressey, Fred L., hay, grain, millfeed, commissn.
Faithfull, S. E., grain and millfeed.*
Jordan, A. W., grain broker.
McLean Alpine Co., The, hay and grain.
Ranlet Co., The D. W., grain and millfeed.
Ronald, Thos., grain broker, export and domestic.
Wright, B. C., broker, corn, oats and mill feed.

BOURBON, IND.

Delp Grain Co., E. E., grain and mill feeds.

BOZEMAN, MONT.

Benepe-Berglund Grain Co., Mont., oats & barley.

BUFFALO, N. Y.

Alder Grain Co., grain commission.*
Burns, Basil, grain commission.
Buffalo Cereal Co., grain.*
Churchill Grain & Seed Co., buyers, shippers.*
Eastern Grain Co., grain commission.*
Electric Grain Elevator Co., receivers and shippers.
Harold, A. W., grain, barley a specialty.
Heathfield, W. G., strictly commission.
Irwin, Dudley M., barley.
Pratt & Co., grain commission.*
Townsend-Ward Co., grain commission.*
Waters, Henry D., grain commission.

BUSHNELL, ILL.

Cole, G. W., grain broker.

CAIRO, ILL.

Antrim & Co., H. S., receiver and shipper.*
Halliday Elevator Co., corn, oats.*
Magee Grain Co., grain.*
Thistlewood & Co., grain and hay.

CAMBRIDGE, NEBR.

Rankin Bros., wholesale grain.

CHICAGO, ILL.

Armour Grain Co., grain buyers.*
Bailey & Co., E. W., grain commiss'n merchants.*
Barrell & Co., Finley, grain, stocks, provisions.*
Bennett & Co., Jas. E., receivers, shippers.*
Bentley, C. S., grain commission.
Bogert, Maltby & Co., commission merchants.*
Crighton & Lasier, grain commission.*
Delany, Frank J., commission merchant.
Dickinson Co., The Albert, seeds.
Dole & Co., J. H., grain and seeds.*
Finney, Sam., commission.*
Fitch & Co., Walter, W. K., Mitchell, Mgr.*
Fraser Co., W. A., grain commission.*
Freeman Bros. & Co., grain, hay, straw.
Gerstenberg & Co., grain, seeds.*
Hately Bros., grain and provisions.
Holt & Co., Lowell, grain receivers.
Hooper Grain Co., receivers, shippers.*
Lamson Pros. & Co., consignments solicited.*
Lipsey & Co., grain commission.

CHICAGO—Continued.

Lynch & McKee Co., grain commission.
Mann, G. S., seed bkr., field seeds, poultry grain.
McKenna & Rodgers, commission merchants.
Merchants Grain Co., commission merchants.*
Merrill & Lyon, commission merchants.*
Merritt Co., W. H., grain, seeds.*
Mumford & Co., W. R., hay & grain commission.
Paynter, H. M., grain and field seeds.
Peavey Grain Co., receivers, shippers.*
Perrine & Co., W. H., grain and commission.
Pfeiffer, Carl, F. W., grain commission.
Pope & Eckhardt Co., grain and seeds.*
Press & Co., W. G., grain, provisions, stocks, etc.
Rang & Co., Henry, grain commission.
Requa Brothers, grain commission.*
Rogers & Bro., H. W., grain and seeds.
Rogers Grain Co., buyers and shippers.
Rosenbaum Bros., receivers, shippers.*
Rumsey & Company, grain commission.*
Sawers Grain Co., grain commission.*
Schiffin & Co., P. H., commission.*
Shaffer & Co., J. C., buyers and shippers.*
Sincere & Co., Chas., N. Y. stocks, Chicago grain.
Somers, Jones & Co., grain and field seeds.*
Squire, H. F. & Co., grain & provisions.
Thayer & Co., Clarence H., commission.
Updike Commission Co., grain commission.*
Wagner & Co., E. W., receivers and shippers.*
Ware & Leland, grain, seeds.*
Wilson & Co., B. S., grain commission.
Winans & Co., F. E., grain and seeds.*

CHICKASHA, OKLA.

Farrington, J. E., Seed House, seed corn.

CINCINNATI, O.

Allen & Munson, grain, hay, flour.*
Bender, A., grain, brokerage & com'n.
Brown & Co., W. L., receivers and shippers.
Cincinnati Grain Co., commission merchants.
Early & Daniel Co., grain and hay.*
Ellis & Fleming, grain and hay.*
Fitzgerald Bros., grain & hay commission.
Gale Bros. Co., grain, hay, feed.*
Interstate Grain Co., receivers and shippers.*
Loudon & Co., grain commission.
Perin Bros., wheat and corn millers.

CLARKSBURG, W. VA.

United Brokerage Co., grain, hay, feed.

CLEVELAND, O.

Abel Bros., hay, grain, feed.
Bailey, E. I., grain and millfeed.*
Cleveland Grain Co., The, receivers and shippers.*
Gates Elevator Co., grain, hay, straw.*
Sheets Bros., Eltr. Co., the, grain, hay, straw.
Star Eltr. Co., receivers, grain, hay, straw.
Strauss & Co., H. M., grain, seeds, hay.*

COLORADO SPRINGS, COLO.

Robinson Grain Co., grain, hay and flour.
Seldomridge Grain Co., grain dealers.

COLUMBUS, O.

Seeds Grain & Hay Co., grain and hay.*
Stritmatter, Edward, grain merchant.

CRAWFORDSVILLE, IND.

Crabbs-Reynolds-Taylor Co., grain, seeds.*

CROWLEY, LA.

Lawrence Bros. Co., Ltd., grain, seed and feed.

CUMBERLAND, MD.

Marley & Co., grain and hay distributors.

DAVENPORT, IOWA.

Rothschild Grain Co., D., grain merchants.*

DECATUR, ILL.

Baldwin & Co., H. I., grain dealers.*

DANVILLE, ILL.

McConnell, R. B., grain dealer.

DENVER, COLO.

Ady & Crowe Mercantile Co., grain, hay.*
Crescent Mill & Eltr. Co., flour and grain.
Denver Comm. & Grain Co., grain and hay.
Longmont Farmers Mill & Eltr. Co., flour, grain.
Scott, E. E., broker grain, cottonseed meal, bags.
Thompson Merc. Co., W. F., hay and grain.

DES MOINES, IA.

Lockwood Grain Co., B. A., grain & millfeeds.

DETROIT, MICH.

Botsford & Barrett, grain receivers and shippers.
Caughey & Carran, grain and field seeds.
Dumont, Roberts & Co., receivers, shippers.*
Ellair Wellington & Co., stocks & gr'n commission.
Lapham & Co., J. S., recvrs. & shippers of grain.*

DIGHTON, KAN.

Bradstreet, A. E., shipper, grain, hay & feedstuffs.

DILLON, MONT.

Dillon Grain Co., grain, flour, feed and hay.

DULUTH, MINN.

Turle & Co., grain commission.

EL RENO, OKLA.

El Reno Mill & Eltr. Co., grain buyers & shippers.

ENID, OKLA.

Johnston, W. B., grain, feed, seeds & hay.
Stephenson Grain Co., receivers and shippers.

EVANSVILL, IND.

Small & Co., W. H., field seeds, grain and hay.

FAIRBURY, ILL.

Keller, Emil, grain broker and track buyer.

FORT WORTH, TEX.

Kolp, E. R. & D. C., grain and seed dealers.*
Terminal Grain Co., receivers, shippers.
Werner Wilkens Grain Co., receivers & shippers.

GALVESTON, TEX.

Fordtran, J. S., grain commission merchant.
Jockusch, Davison & Co., grain, hay exporters.
Wisrodt Grain Co., wholesale grain eltr. facilities.

GREENVILLE, O.

Grubbs Grain Co., E. A., track buyers.*

HUTCHINSON, KAN.

Rock Mlg. & Eltr. Co., buyers and shippers.

INDIANAPOLIS, IND.

Files-Greathouse Grain Co., grain com's'n merchts.
Finch & McComb, grain commission.
Jordan & Montgomery Co., wholesale grain.
Kinney Grain Co., H. E., receiver and shipper.*
Probst & Kassebaum, comm. & whol. grain & hay.
Shotwell, C. A., grain, flour, commission.
Stebbins-Witt Grain Co., commission & brokerage.

JACKSON, MICH.

Shelden, Willis E., track buyer of grain.*
Stockbridge Elevator Co., grain, beans, hay.*

JACKSONVILLE, FLA.

Elmore & Co., Thos. T., hay, grain & mill stuffs.*

KANSAS CITY, MO.

Beach Grain Co., grain commission.
Benton Grain Co., screenings and chickenfeed.
Christopher & Co., B. C., grain and seeds.*
Davis & Co., A. C., grain commission.*
Ernst-Davis Grain Co., commission.
Fowler Commission Co., receivers and shippers.
Goffe & Carkener, recvrs. and shipprs. of grain.*
Hargis Grain Co., B. F., receivers, shippers.
Hinds & Lint Grain Co., receivers, shippers.
Home Grain Co., grain merchants.
Kemper Mill & Eltr. Co., grain and products.
Lichtig Grain Co., Henry, receivers and shippers.
Logan Bros. Grain Co., grain commission.
Lonsdale Grain Co., grain receivers.
Moore Grain Co., receivers and shippers.*
Moore-Lawless Grain Co., grain receivers.
Moss Grain Co., barley a specialty.
Norris Grain Co., grain, seeds, screenings.
Peirson-Lathrop Grain Co., commission merchts.*
Roahen-Carey Grain Co., grain, flour, millfeed.
Shannon Grain Co., grain merchants.
Smith Grain Co., Perry C., receivers, shippers.
Steele & Co., H. H., grain and seeds.
Thresher Fuller Grain Co., grain commission.*
Vanderslice-Lynds Co., grain commission.

KENTLAND, IND.

McCray, Morrison & Co., track buyers.*

KINGFISHER, OKLA.

Kingfisher Grain & Alfalfa Mill, pure alfalfa meal.

LA FAYETTE, IND.

Alder Grain Co., grain commission.*

LAMAR, COLO.

Brookshire Trading Co., grain, hay and seeds.

LINCOLN, NEB.

Central Granaries Co., milling wheat.
Lincoln Grain Co., receivers, shippers.
Seldomridge, C. B., grain.
Wright-Leet Grain Co., buyers and shippers.

LITTLE ROCK, ARK.

Brook-Rauch Mill & Eltr. Co., corn and millfeed.
Hayes Grain & Com. Co., grain, hay, mill feeds.

LOUISVILLE, KY.

Bingham-Hewett Grain Co., recrs. & shprs. grain.*
Callahan & Sons, grain.*
Edinger & Co., grain, hay, flour.
Farmer & Sons, Oscar, hay and grain.
Schuff & Co., A. C., receivers grain and hay.*
Thomson & Co., W. A., grain receiver.
Verhoeff & Co., H., receivers and shippers grain.*
Zorn & Co., S., grain.*

LYNCHBURG, VA.

Peters, McHenry, grain and hay brokers.

McKINNEY, TEXAS.

Reinhart Grain Co., wholesale grain and hay.

Directory of the Grain Trade

*Member Grain Dealers National Association.

MEMPHIS, TENN.

Booker, W. J., grain broker.
Clark, Burkle & Co., grain and hay commission.
Davis & Andrews Co., grain dealers.*
Jones & Rogers, grain dealers.*
McLaughlin Coal & Grain Co., grain and hay.*
Patteson & Co., G. E., receivers and shippers.*
Wade & Sons, John, grain, hay and commission.
Webb & Maury, grain and hay.*
West & Co., J. C., grain and hay commission.
Wyatt, E. W., broker, grain and millfeeds.

MERCER, MO.

Alley Grain Co., oats, corn, wheat, grass seed.

METAMORA, O.

Metamora Eltr. Co., Corn Oats. Wheat, Hay.*

MIDDLE POINT, OHIO.

Pollock Grain Co., grain, hay and straw.

MILWAUKEE, WIS.

Bell & Co., W. M., grain and seeds.*
Bartlett & Son Co., L., grain commission.
Coughlin, T. C., Co., grain commission.
Courteen, S. G., field seeds.
Deutsch & Sickert Co., shippers grain, flour, feed.
Dingwall Co., C. E., grain, feed and screenings.
Donahue-Stratton Co., grain, feed, mlg wheat.*
Fagg & Taylor, grain merchants*
Kamm & Co., P. C., barley and rye.*
Lauer & Co., J. V., grain commission.
Lowry & Co., I. H., grain commission.*
Mereness & Gifford, grain commission.
Stacks & Kellogg, grain merchants.

MINNEAPOLIS, MINN.

Atwood-Stone Co., grain commission.
Brown & Co., E. A., commission.
Cargill Commission Co., grain commission.
Carter, Sammis & Co., grain commission.
Cooper Commission Co., receivers, shippers.
Davies & Co., F. M., grain commission.
Fraser-Smith Co., grain commission.
Getchell-Tanton Co., grain commission.
Hankinson & Co., H. L., grain commission.
Marfield-Tearse Co., grain commission.*
McIntyre-Frerich Co., grain commission.
Minneapolis Seed Co., field seeds.
Nye, Jenks & Co., grain commission.
Randall, Gee & Mitchell Co., grain and seeds.
Stair, Christensen & Timerman, com's'n merchts.*
Van Dusen-Harrington Co., grain merchants.*
Welch Co., E. L., grain commission.
Wernli-Anderson Co., grain commission.
Zimmerman, Otto A., barley specialist.

MOBILE, ALA.

Mertz & Co., G., flour, grain & vegetables.*
Saunders & Westrand Co., shippers of grain.

MONTGOMERY, ALA.

Dahlberg Brokerage Co., Inc., brokers and dealers.

NASHVILLE, TENN.

Hughes Warehouse & Eltr. Co., grain.

NEWARK, N. J.

Smith & Wallace Co., J. C., receivers, shippers.

NEW ORLEANS, LA.

Leonhardt & Co., A. F., grain and hay.*

NEW YORK CITY.

Cushing & Brandt, grain commission, buyers.*
Forbell & Kipp, grain commission.*
Keusch, Otto, off grade grain, grain broker.*
Morey Co., L. A., grain brokers.*
Robinson, G. B., Jr., grain and mill feeds.
Schwartz, B. F., grain broker.
Ulrichs & Hebert, grain commission and brokers.

NORFOLK, VA.

Cofer & Co., J. H., wholesale grain.
Scott & Co., Inc., S. D., wholesale hay & grain.

OKLAHOMA CITY, OKLA.

Capital Grain & Eltr. Co., wholesale grain & feed.
Chowning Grain Co., grain and feed.
Cole, H. W., shipper of grain and seeds.
Hanna Grain Co., grain, hay, seeds, alfalfa meal.
Kolp, E. R. & D. C., grain and seed dealers.
Moberly, Major, grain and mill feeds.
Robey Grain Co., R. E., grain broker.

OMAHA, NEB.

Alfalfa Feed & Grain Co., grains, feed and hay.
Beal-Vincent Grain Co., receivers, shippers.
Cavers Elevator Co., receivers and shippers.*
Crowell Lumber & Grn. Co., recvrs., shippers.
Empire Grain Co., receivers, shippers.
Holmquist, Eltr. Co., receivers and shippers.
Huntley, E. E., receiver and shipper of grains.
Hynes Grain Co., receivers and shippers of grain.
Middle-West Elevator Co., receivers and shippers.
Nebraska-Iowa Grain Co., receivers & shippers.*
Nordstrom Gr. Co., E. A., consignments.
Nye-Schneider-Fowler Co., grain recvrs., shippers.
Omaha Elevator Co., receivers, shippers.*
Peters, M. C., Mill Co., horse feed.
Roberts Grain Co., grain commission.
Saunders Westrand Co., shippers of grain.
Stidham Grain Co., receivers, shippers.
Taylor Grain Co., receivers, shippers.
Thompson Grain Co., grain dealers.
Trans Mississippi Grain Co., recvrs. & shprs.*
Union Grain & Elevator Co., receivers, shippers.
United Grain Co., grain commission.
Weekes Grain Co., receivers and shippers of grain.
Welsh Grain Co., grain and hay commission.

PENSACOLA, FLA.

Bonacker Bros., brokers, grain, hay and millfeed.*

PEORIA, ILL.

Buckley, Pursley & Co., grain and seeds.*
Dewey & Sons, W. W., grain commission.
Feltman, C. H., grain commission.
Miles, P. B. & C. C., grain commission.*
Rumsey, Moore & Co., grain receivers.*
Tyng, Hall & Co., grain commission.*

PERRY, OKLA.

Perry Mill Co., Wholesale dealers in Grain.

PHILADELPHIA, PA.

Baringer, M. F., grain and millfeed.*
Clemmer, A. B., grain and mill feed.
Clevenger, S. J., buyer and commission.*
Delp Grain Co., E. E., grain and millfeeds.*
Dunwoody Co., Ezl., flour, grain, feed.*
Fraser, C. C., grain and feed broker.
Lemont & Son, E. K., hay, grain and mill feed.
Miller & Sons, L. F., grain, seeds, hay.*
Pultz & Co., J. B., grain and feed.*
Rosekrans-Snyder Co., grain and millfeeds.*
Richardson Bros., grain, flour, millfeeds.*
Rogers & Co., E. L., grain, hay.*
Stites, A. Judson, grain and millfeed.

PIQUA, OHIO.

Kress Co., Harry W., track buyer grain, hay.*
Spencer & Miller, grain, feed and seeds.

PITTSBURG, PA.

Clark Grain & Hay Co., grain and hay.
Elwood & Co., R. D., hay and grain.
Foster, C. A., grain, hay, feed.*
Geidel & Dickson, grain and hay.
Gordon & Co., W. N. Grain, hay, mill feed.
McCafferty, Daniel, Sons Co., hay, grain, mill feed.
McCague, R. S., grain, hay.*
Smith & Co., J. W., grain, hay, feed.
Stewart, D. G., & Geidel, grain, hay and feed.
Walton Co., Sam'l, grain and hay.

PUEBLO, COLO.

Cessna Gr. & Flour Co., grain, hay & flour.
McClelland Mct'l I. & R. Co., grain, hay & feed.

RALEIGH, N. C.

Lumsden, C. H., grain broker.

RICHMOND, VA.

Fairbank & Co., S. G., grain, hay, seeds.

SAN ANTONIO, TEXAS.

Lupton, R., Whol. Grain, Mlg. Wheat and Seeds.
Oppenheimer Grain Co., wholesale grain and hay.

SIOUX CITY, IOWA.

Fahlenkamp Grain Co., A., grain commission.
Fields & Slaughter Co., grain, hay, feed.
Interstate Grain Co., buyers and shippers.
Shepherdson Co., M. T., grain dealers.*

ST. JOSEPH, MO.

Elwood Grain Co., grain merchants.
Gordon Comm. Co., T. P., grain dlr. and broker.*

ST. LOUIS, MO.

Ballard-Messmore Grain Co., receivers.*
Brockman, Arthur & Co., receivers.
Carlisle Comm. Co., S. S., receivers and shippers.
Cochrane Grain & Eltr. Co., receivers, shippers.*
Connor Bros. Co., grain.*
Eaton, McClellan Com. Co., grain & hay.*
Gill & Co., F. D., receivers and shippers.
Goffe & Carkener Co., grain commission.*
Green Commission Co., W. L., grain.*
Kennedy Grain Co., receivers, shippers.
Mullally Com. Co., John, grain, hay, seeds.*
Nanson Commission Co., grain commission.*
Pendleton Grain Co., receivers & shippers.*
Picker & Beardsley Com. Co., grain & grass seed.*
Powell & O'Rourke, receivers, shippers.*
Roberts Grain Co., grain commission.
Slack-Fuller Grain Co., grain commission.*

ST. PAUL, MINN.

Rank & Co., C. R., hay, grain and screenings.

SHAWNEE, OKLA.

Rorer Mill & Eltr. Co., Alfalfa millers.

SHERMAN, TEXAS.

Pittman & Harrison Co., whol. grn. and seeds.

TERRE HAUTE, IND.

Kuhn & Co., Paul, receivers and shippers.*

TOLEDO, O.

DeVore & Co., H. W., grain and seeds.
Goemann Grain Co., grain buyers.*
King & Co., C. A., grain, clover seed.*
National Milling Co., cash buyers wheat.*
Rundell & Co., W. A., grain, seeds.*
Southworth & Co., grain commission.*
The Toledo Field Seed Co., clover, timothy.
Wickenhiser & Co., John, grain, millfeed.*
Zahm & Co., J. F., grain, seeds.*

TOPEKA, KANS.

Jolley & Blanchard, grain merchants.

TORONTO, ONT.

Steele, Briggs Seeds Co., Ltd., field seeds.

TRINIDAD, COLO.

Bancroft-Marty Feed & Produce Co., hay & grain.

TULSA, OKLA.

Binding-Stevens Seed Co., grain & seeds.

WASHINGTON, D. C.

Anderson, E. M., grain brokers and millers agent.
Clifton & Co., C. E., flour, grain and hay.

WICHITA, KANS.

Barnes, Jr., Geo. S., grain commission.
Craig Grain Co., J. W., receivers and shippers.
Hastings & Co., grain brokers.
Independent Grain Co., grain commission.
Kolp, E. R. & D. C., grain and seed dealers.
McCullough Grain Co., grain commission.*
Western Grain Co., The, wholesale grain, seeds.
Williamson Grain Co., J. R., gr. comm. merchs.

WINFIELD, KANS.

Southern-Kansas Gr. Co., grain, millfeed seeds.

MEMPHIS MERCHANTS EXCHANGE MEMBERS

Write Us H. J. Hasenwinkle Co., want your consignments for the Memphis market.

CONSIGNMENTS WANTED—
1st FOR MEMPHIS
2nd FOR J. C. WEST & CO.
HONEST SERVICES. PROMPT RETURNS. TRY US.

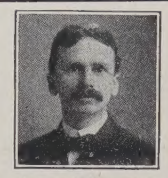
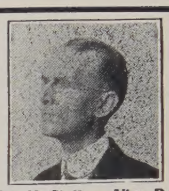
ST. LOUIS MERCHANTS EXCHANGE MEMBERS

MARSHALL HALL, PRES. J. B. BETHUNE, Sec.-Tres.
W. L. GREEN COMMISSION CO.
GRAIN
Members { Merchants Exchange of St. Louis / Chicago Board of Trade.
203 Merchants Exchange, ST. LOUIS, MO.

John Mullally Pres. Martin J Mullally, V-Pres.
Vincent M Jones Secy and Treas.
JOHN MULLALLY COMMISSION CO.
GRAIN, HAY and SEEDS
Consignments and Correspondence Solicited.
Your shipments will have our best attention.
Chamber of Commerce, ST. LOUIS, MO.

B. L. SLACK, Pres. J. M. FULLER, Sec'y.
SLACK-FULLER GRAIN COMPANY
Successors in business to
WAGGONER GRAIN COMPANY
Recievers and Shippers Future Orders Executed.
208 Chamber of Commerce, St. Louis Mo.

F. D. GILL & CO.
GRAIN
SCREENINGS a SPECIALTY
Future orders executed in all leading markets
Members { Merchants Exchange, St. Louis. / Chicago Board of Trade.
Chamber of Commerce, St. Louis, Mo.


A. F. EATON, Pres.
CONSIGN YOUR GRAIN AND HAY TO THE LIVE ONES
Eaton, McClellan Com. Co.
25 years experience in the commission business.
206 Merchants' Exchange St. Louis, Missour

W. W McClellan Vice-Pres.

MORE We Want More Consignments and Promise Best Attention
YOU CAN RELY UPON US
Powell & O'Rourke
St. Louis Merchants Exchange
Cash or Futures

W. C. GOFFE G. S. CARKENER G. C. MARTIN, JR.
Goffe & Carkener Co.
(NOT INCORPORATED)
ST. LOUIS
"The Consignment House that Gets Results."
Members { Merchants Exchange, St. Louis / Kansas City Board of Trade / Chicago Board of Trade

PICKER & BEARDSLEY
COMMISSION CO.
Solicit your consignments of
GRAIN, HAY and GRASS SEED
Established 1876
ST. LOUIS, MO.

Arthur Brockman C. M. Fresch
NEW CONSIGNMENT FIRM
IN NAME ONLY
Arthur Brockman & Co.
511-512 Chamber of Commerce
ST. LOUIS, MO.
A house that gets best results.
CONSIGNMENTS OUR SPECIALTY
With a Trial Shipment we can convince you.


COCHRANE
GRAIN & ELEVATOR CO.
COCHRANE'S SPECIAL
FACILITIES BRING BEST RETURNS
We'll handle your business promptly and give big results.
ST. LOUIS - MERCHANTS EXCHANGE

CONNOR BROS. & CO,
Grain and Hay
Future Orders Executed St. Louis and Chicago **St. Louis**

YOU
Can find no present more acceptable to the progressive grain dealer than a paid up subscription to the Grain Dealers Journal.

ROBERTS GRAIN CO.
GRAIN HAY SEEDS
CONSIGNMENTS SOLICITED
ST. LOUIS, MO. OMAHA, NEB.

Quotation Record
is sheets of bond paper ruled to facilitate keeping a daily record of the market prices of options on 'Change. Each sheet or chart is headed "Board of Trade Quotations for the Week Commencing Monday——, 190—." Each sheet has twelve columns provided for different options, four for Wheat, four for Corn and four for Oats; also spaces for the market on each at 9:30, 10:30; 11:30 and 12:30 and the close, as well as the closing price the previous week.
As a handy reference record of market prices it has no equal. Each sheet is 9½x9½ inches and has spaces for one week's record. The sheets are put up in blocks of sixty—a year's supply. Order Form 97A, price 75 cents.
GRAIN DEALERS JOURNAL
255 La Salle Street CHICAGO, ILL.

Nanson Commission Co.
(INCORPORATED)
GRAIN AND HAY
Write us for full information on St. Louis Markets
202 Chamber of Commerce
ST. LOUIS
Consignments a Specialty

NEW YORK Produce Exchange Members

FORBELL & KIPP
COMMISSION MERCHANTS
GRAIN AND MILL FEED
OATS A SPECIALTY
Consignments Solicited
342 Produce Exchange, NEW YORK CITY

CONSIGNMENTS
of OATS AND CORN
Solicited
B. F. SCHWARTZ
Produce Exchange NEW YORK

CONSIDER NEW YORK
IT IS THE GREAT EASTERN GRAIN MARKET
IT IS THE LEADING EXPORT MARKET
We have exceptional facilities for handling your Consignments. Cash offers solicited.
Write us for Particulars.
L. A. MOREY CO.
Produce Exchange, New York., N. Y.

CUSHING & BRANDT
424 Produce Exchange, New York
Commsssion Merchants, Cif Grain
Brokers and Buyers of Cash Grain
LIBERAL ADVANCES ON CONSIGNMENTS WHICH WE SOLICIT
Make us Offers of Low Grades of Wheat and Hot Corn
WILL ALWAYS RESPOND
Members:—N. Y. Produce Exchange, Chicago Board of Trade, Bu alo Corn Exchange, National Grain Dealers Association.

OMAHA Grain Exchange Members

CAVERS ELEVATOR COMPANY
OMAHA, NEB.
GRAIN BOUGHT and SOLD
CONSIGNMENTS SOLICITED
We Sack Grain

ROBERTS GRAIN COMPANY
GRAIN HAY SEEDS
Consignments Our Specialty.
Give us a trial.
311 Merchants Exchange ST. LOUIS, MO.
728-730 Brandeis Bldg. OMAHA, NEB.

Nebraska-Iowa Grain Co.
ELEVATOR and GRAIN
762 to 772 Brandeis Building, OMAHA, NEBRASKA
Milling Wheat our Specialty
Consignments will Receive our Special Attention
Call us up for Quotations

Nye Schneider Fowler Grain Co.
WHOLESALE
GRAIN MERCHANTS
Correspondence Solicited
OMAHA, NEBR.

The United Grain Co.
INCORPORATED
We are not buyers of Grain, Commission only.
OMAHA NEBRASKA

Middle West Elevator Co.
Receivers and Shippers of Grain
Consignments Solicited
OMAHA NEBRASKA

Alfalfa Feed & Grain Co.
OMAHA, NEB.
Grains, Feed and Hay

"ARAB" HORSE FEED
A PERFECT BALANCED RATION
M. C. PETERS MILL CO.
Alfalfa Queen Mills, OMAHA, NEB.

Holmquist Elevator Co.
OMAHA, NEB.
Receivers and shippers of all kinds of grain.
Sacked corn and oats a specialty.
Consignments solicited.

Shippers
in the Northwest read this page; your "ad" will be read too if you place it here.

Welsh Grain Company
Grain Consignments Solicited.
Grain and Hay for sale, ask for prices.
Brandeis Building - - - OMAHA

TAYLOR GRAIN CO.
Grain Merchants
Consign your Grain to us for best results and quick returns.
CAR LOTS TO FEEDERS
OMAHA, NEB.

MILWAUKEE Chamber of Commerce Members

Grain Dealers
It is no speculation to ship us your grain. It's a sure thing you will be satisfied.
L. BARTLETT & SON CO.
Milwaukee Chamber of Commerce

CHICAGO MINNEAPOLIS
J. V. LAUER & CO.
GRAIN COMMISSION
BARLEY A SPECIALTY
Ship us your next car
Chamber of Commerce MILWAUKEE, WIS.

SHIP US YOUR GRAIN
I. H. LOWRY & CO.
Established 1864
Grain Commission Merchants
MILWAUKEE, WIS.

T. C. COUGHLIN CO.
GRAIN COMMISSION
410 Chamber of Commerce, Milwaukee, Wis
Consignments Solicited.

Superior Service Satisfied Shippers
MERENESS & GIFFORD
Grain Commission Merchants
MILWAUKEE.

C. E. Dingwall Co.
MILWAUKEE, WIS.
GRAIN and FEED
We buy off-grade and damaged grain of any character, screenings and mill and elevator offal.

KANSAS CITY BOARD OF TRADE MEMBERS

CONSIGN TO
PEIRSON-LATHROP GRAIN CO.
KANSAS CITY, MISSOURI
SATISFACTION GUARANTEED

HOME GRAIN COMPANY
GRAIN MERCHANTS
Kansas City, Mo. Fort Worth, Texas

IF you are not shipping us,
Send us a car when shipping others.
By comparison you will find the service we render!
ERNST-DAVIS GRAIN COMPANY
KANSAS CITY, MO.
Special Attention Given to Futures
Members:
KANSAS CITY BOARD OF TRADE.
CHICAGO BOARD OF TRADE.
ST. LOUIS MERCHANTS' EXCHANGE.

PERRY C. SMITH
GRAIN COMPANY
GRAIN
KANSAS CITY, U. S. A.
Successors to
J. SIDNEY SMITH & SON

R. J. THRESHER, Pres. L. A. FULLER, Secy.
Thresher Fuller Grain Co.
Grain Commission Merchants
Consignments Solicited
Grain Bought and Sold for Future Delivery
310-311 Board of Trade, KANSAS CITY, MO.

MOORE-LAWLESS GRAIN CO.
Conscientious Service on Consignments
KANSAS CITY, - MISSOURI

SHANNON GRAIN CO., KANSAS CITY, MISSOURI
MILL ORDERS A SPECIALTY.
Operate country elevators in Nebraska, Kansas and Colorado.

MOSS GRAIN CO.
Consignments and Future Orders Solicited
MEMBER
KANSAS CITY BOARD OF TRADE
Established in the Kansas City Grain Trade for more than a Quarter of a Century

ROAHEN-CARY GRAIN CO.
"PROMPT SETTLEMENTS—QUICK RETURNS"
KANSAS CITY - - - MISSOURI

A.C. DAVIS & CO.
Grain Commission
Mill orders a specialty
Consignments and Future Orders Solicited
KANSAS CITY, U. S. A.

KAFFIR CORN
MILO MAIZE **GRAIN**
CANE AND OTHER FIELD SEEDS
B. C. CHRISTOPHER & CO.
Consignments and Orders Solicited
Grain Bought and Sold for future delivery
316 to 321 Board of Trade
KANSAS CITY, MO.

Vanderslice-Lynds Company
GRAIN
Commission Merchants
KANSAS CITY, MO.

¶ Kansas City offers southwestern grain shippers unusual advantages. It is the key to this territory.

¶ We offer grain shippers all the advantages that the market and years of close attention to business affords.

¶ Write us for particulars or ship us a trial car.

Clark's Car Load Grain Tables

SEVENTH EDITION. REVISED AND ENLARGED

With these tables you can quickly check up all reductions and detect and prevent errors, which in the car lot business are liable to run into the hundreds of bushels.

Largest and most complete car load reduction table ever published. Five new tables have been added and a set of tables for Malt is included in this new edition. RANGE—Oats and Cotton Seed (32 lbs.), 7 tables, from 20,000 to 97,000 lbs. Malt (34 lbs.), 5 tables, from 20,000 to 75,000 lbs. Barley, Buckwheat and Hungarian Grass Seed (48 lbs.), 7 tables, from 20,000 to 97,000 lbs. Corn, Rye and Flax Seed (56 lbs.), 9 tables from 20,000 to 118,000 lbs. Wheat, Clover, Peas and Potatoes (60 lbs.), 9 tables, from 20,000 to 118,000 lbs. The number of bushels in any weight of grain within the numbers specified above are given in bold face type, the remaining pounds in light face type. Pounds are printed in red and bushels in black.

PAPER—These tables are printed on durable heavy linen ledger paper and bound in leather covers with marginal index.

Price, delivered, $2.50

GRAIN DEALERS JOURNAL
255 La Salle Street, Chicago, Illinois

ROBINSON'S Telegraphic Cipher Code (Revised)

Is more extensively used by Grain and Provision Dealers

than all other codes combined. It is compact, small and can be easily carried in the pocket. Get the latest edition; by using it your messages will be understood, you will save time and expense.

Price, leather, gilt edges, $2.00.

Your name in gilt letters on front cover, 25c extra.

GRAIN DEALERS JOURNAL
255 La Salle St. CHICAGO, ILL.

CHICAGO BOARD OF TRADE MEMBERS

PHILIP H. SCHIFFLIN, President — EUGENE SCHIFFLIN, Sec'y and Treas.

Philip H. Schifflin & Co.
[INCORPORATED]

Commission Merchants
GRAIN, SEEDS and PROVISIONS

515-518 Postal Telegraph Bldg.
Tel. Harrison 833. CHICAGO, ILL.

Orders Executed
FOR
GRAIN and PROVISIONS
ON THE
Chicago Board of Trade
BY
HATELY BROS.
70 BOARD OF TRADE
156 EXCHANGE BLDG.
U. S. YARDS

Established 1872

Receivers *and* Shippers
OF
Grain
Seeds
Provisions
E. W. BAILEY & CO.
Commission Merchants
72 Board of Trade Chicago, Ill.

B. S. WILSON — HARRY BOORE

B. S. WILSON & CO.
GRAIN, SEEDS and PROVISIONS

1118-1119 Royal Iusurance Building
CHICAGO, ILL.

Succeeding to the Commission Business of
T. E. WELLS & CO.

W. M. TIMBERLAKE,
Manager Grain Department

C. H. THAYER & CO.
Your Consignments and Future Orders Solicited.
2 and 4 Sherman Street, - CHICAGO

FREEMAN BROS. & CO.
COMMISSION MERCHANTS
GRAIN HAY STRAW
66 BOARD OF TRADE, CHICAGO
Orders for the purchase and sale of grain for future delivery executed

FINLEY BARRELL — P. J. MALONEY

Finley Barrell & Co.
GRAIN
PROVISIONS
STOCKS
Monadnock Block CHICAGO

Service

Our 30 Years Continuous Business Experience as Active Members of Chicago Board of Trade has been possible only because we gave Service to our Customers.

We can Serve New Customers just as faithfully.

Write us or Send for Our Daily Market Letter. It's FREE. Address

W. G. Press & Co.
Grain, Provisions, Stocks
2-4 Sherman St., Chicago, Ill.

Lamson Bros. & Co.
ESTABLISHED 1874
Commission Merchants
Grain Consignments Solicited
Also future delivery orders on all exchanges.
Grain—Provisions—Stocks—Cotton
6 Board of Trade CHICAGO

LAVERNE A. LEWELLYN PRESIDENT

COMMISSION Merchants Grain Co. MERCHANTS
74 BOARD OF TRADE
CHICAGO

TO MILLERS
we make a specialty of supplying
Wheat and Corn
From this Market

522 POSTAL TEL. BLDG.
Sawers Grain Co.
CHICAGO
TELEPHONE, HARRISON 1504

TO SHIPPERS
when you have
Grain to Offer
WIRE US FOR PRICES

CHICAGO Board of Trade Members

Geo. S. Dole, Pres. H. N. Sager, Sec.

J.H. DOLE & CO.

(Established 1852)

COMMISSION MERCHANTS

GRAIN AND SEEDS

We solicit your

CONSIGNMENTS

and orders in futures.

226 La Salle St., CHICAGO

H. W. Rogers J. C. Rogers

H. W. ROGERS & BRO.

GRAIN, SEED AND PROVISIONS

COMMISSION MERCHANTS

700-701 Royal Insurance Bldg., CHICAGO

H. W. Rogers, Pres. J. C. Rogers, Vice-Pres.

ROGERS GRAIN COMPANY

Buyers and Shippers of Grain

References: Corn Exchange Natl. Bank
First National Bank

Royal Insurance Bldg. CHICAGO

M. T. SHEPHERDSON & CO.

GRAIN COMMISSION

Send us samples for bids upon track. Orders in Futures executed in all markets.

CHICAGO SIOUX CITY OMAHA

TO GRAIN SHIPPERS

WE Confidently solicit your consignments and Chicago Board of Trade orders because our long years of *experience*, since 1876, in this market qualifies us to give you helpful sales counsel and our splendid office *facilities* and *connections* enable us to render prompt service.

CRIGHTON & LASIER

408-9-10 Postal Telegraph Building CHICAGO, ILL.

LIPSEY & COMPANY

Solicit your cash consignments
and future orders

711 POSTAL TELEGRAPH BLDG. CHICAGO, ILL.

WE ARE BUYERS AND SHIPPERS OF ALL KINDS OF

GRAIN

Consignments and trades in futures solicited.

J. C. SHAFFER & CO., 240 La Salle St., Chicago, Ill.

The National City Bank of Chicago

CHICAGO

Capital $1,500,000; Surplus and Undivided Profits $353,752.25

Approved by Chicago Board of Trade as a Margin Depository

We allow 2% interest on all margin deposits

OFFICERS: DAVID R. FORGAN, President; ALFRED L. BAKER, Vice President; CHAS. B. PIKE, Vice President; H. E. OTTE, Vice President; F. A. CRANDALL, Vice President. L. H. GRIMME, Cashier; W. D. DICKEY, Assistant Cashier; A. W. MORTON, Assistant Cashier; W. T. PERKINS, Assistant Cashier; HENRY MEYER, Assistant Cashier; WM. N. JARNAGIN, Assistant Cashier; R. U. LANSING, Manager, Bond Department.

DIRECTORS: ALFRED L. BAKER, of Alfred L. Baker & Co.; AMBROSE CRAMER, Trustee Estate of Henry J. Willing; EDWARD F. CARRY, Vice Pres. American Car & Foundry Co.; A. B. DICK, Pres. A. B. Dick Co.; E. G. EBERHARDT, Vice Pres. and Gen. Mgr. Mishawaka Woolen Mfg Co., Mishawaka, Ind.; STANLEY FIELD, Vice Pres. Marshall Field & Co.; DAVID R. FORGAN, Pres.; F. F. PEABODY, Pres. Cluett, Peabody & Co.; H. A. STILLWELL, Vice Pres. Butler Bros., Chicago; JOHN E. WILDER, Vice Pres. Wilder & Co.; H. E. OTTE, Vice Pres.

CLARK'S CAR LOAD Grain Tables for Reducing Pounds to Bushels

SEVENTH EDITION REVISED AND ENLARGED.

7—32 lb. tables, 20,000 to 97,000 lbs.; 5—34 lb. tables, 20,000 to 74,000 lbs.; 7—48 lb. tables, 20,000 to 97,000 lbs.; 9—56 lb. tables, 20,000 to 118,000 lbs; 9—60 lb. tables, 20,000 to 118,000 lbs.

Printed on linen ledger paper, bound in leather, with marginal index. Price, $2.50.

GRAIN DEALERS JOURNAL, CHICAGO, ILL.

WALTER FITCH & CO.

Solicit your cash consignments
and future orders.

ROOM 1, BOARD OF TRADE

W. K. MITCHELL, Manager Cash Grain Dept.

ESTABLISHED 1870

W. R. MUMFORD & CO.

HAY GRAIN

AND MILL STUFFS

COMMISSION MERCHANTS

437 POSTAL TEL. BLDG., CHICAGO

Hooper Grain Co.

OAT

SHIPPERS

Operate Atlantic and Grand Trunk Western Elevators

Chicago

HENRY RANG & CO.

GRAIN and SEEDS

Barley a Specialty

CONSIGNMENTS SOLICITED

234 La Salle Street

GRAIN INVESTMENTS

Every trader, grain raiser and live stock feeder should send for a copy of "GRAIN INVESTMENTS." Most complete encyclopedia of grain trading details published. Posts you completely. On request if you mention this publication. Ask for Edition E. W. WAGNER & CO. 98-99-100 Board of Trade Chicago

CIFER CODES

We carry the following cifer codes in stock and can make prompt delivery.

Robinson's Cifer Code, leather	2.00
Hay and Grain Cifer Code	1.00
A. B. C. Code, 5th Edition	7.00
Baltimore Export Cable Code	8.00
Companion Cable Code	5.00
Riverside Code, 5th Edition	3.00
U. S. Cifer Code	3.00
American Seed Trade Assn.'s Code	2.00
Stewarts International Code	.25

For any of the above, address

GRAIN DEALERS JOURNAL,

255 La Salle St., CHICAGO, ILL.

CHICAGO BOARD OF TRADE MEMBERS

A. L. SOMERS, President — C. W. BUCKLEY, Sec'y and Treas.

SOMERS, JONES & Co.

(Incorporated)

COMMISSION MERCHANTS

GRAIN AND FIELD SEEDS

Consign your grain and seeds to us for close personal attention and best possible results. Orders for future delivery :: :: receive careful attention. :: ::

CHICAGO, MILWAUKEE, MINNEAPOLIS } Draw on and address all correspondence to us.

82 BOARD OF TRADE, CHICAGO

Long Distance Telephone Harrison 3564.

ROSENBAUM BROTHERS

COMMISSION MERCHANTS

77 Board of Trade

CHICAGO

Consignments our Specialty

Orders for Future Delivery Carefully Executed

We Solicit Your Correspondence

Bogert, Maltby & Co.

COMMISSION MERCHANTS

Correspondence and Consignments Solicited.

Orders for future delivery carefully executed.

SCREENINGS AND MILL STUFF

306-308 Postal Telegraph Bldg.

CHICAGO

RUMSEY & COMPANY

RECEIVERS OF CONSIGNMENTS

RESPONSIBILITY & CONSERVATISM

CHICAGO

REQUA BROTHERS

CHICAGO

Stands for Prompt Returns, undivided attention to selling Consignments. *Give us a Trial.*

FRANK E. GULICK,

Manager Rec. Dept.

W. H. PERRINE & CO.

(INCORPORATED)

COMMISSION MERCHANTS

Consignments a Specialty.

314 Postal Telegraph Bldg., Chicago, Ill.

The Regular Commission—a Fair one We Get That

F. E. WINANS & CO.

Grain Commission CHICAGO

Earnest experienced effort, painstaking attention to detail, courteous personal service You Get That

W. H. MERRITT CO.

Grain Buyers and Shippers

CORRESPONDENCE SOLICITED

87 Board of Trade, Chicago, Ill.

ST LOUIS — PEORIA

W. A. FRASER CO.

Consignments and Future Delivery Orders Solicited

Suite 715 Royal Ins. Bldg. CHICAGO

POPE & ECKHARDT CO.

Commission Merchants—Grain and Seeds

317-321 Western Union Building, CHICAGO

Responsibility, Resourcefulness and Reliability are three reasons why you should ship your grain and seeds to

H. M. PAYNTER,

Royal Insurance Bldg., Chicago.

All business transacted through H. W. Rogers & Bro. Correspondence solicited.

ARMOUR GRAIN COMPANY

CONSIGNMENTS SOLICITED

We are Fully Equipped in Every Way to Give Best Service in Chicago

205 LA SALLE ST. CHICAGO

No order too large for me to execute or too small to be appreciated

GRAIN CONSIGNMENTS A SPECIALTY

Sam Finney

715 Board of Trade

CHICAGO

UPDIKE Commission Co.

GRAIN AND PROVISIONS

Postal Telegraph Bldg. CHICAGO, ILL.

We solicit your consignments of grain.

We have every facility and convenience for the prompt execution of your cash orders or future delivery orders.

Correspondence Solicited.

J. Herbert Ware

Edward F. Leland

CONSIGN

your Grain and Seeds, and send your orders for GRAIN, PROVISIONS and STOCKS to

WARE & LELAND

169 JACKSON BOULEVARD

Royal Insurance Bldg.

CHICAGO

Long Distance Phones

Wabash 3232

Your Interests Are Our Interests

BALTIMORE CHAMBER OF COMMERCE MEMBERS

John M. Dennis, President.
Ferdinand A. Meyer, Vice-President.
Thos. C. Craft, Jr., Treasurer.

LOUIS MÜLLER CO.
Grain Receivers and Exporters
BALTIMORE, MD.

Established 1882
G. A. HAX & CO.
COMMISSION
Grain, Hay and Seeds
445 North Street, BALTIMORE, MD.

HAMMOND, SNYDER & CO., Inc.
GRAIN
Receivers and Exporters, Consignments Solicited
312-314 Chamber of Commerce
BALTIMORE, MD

Thos. Johnston Co.
GRAIN
Receivers and Shippers. Consignments Solicited.
204 Marine Bank Bldg., BALTIMORE, MD.

Chas. England & Co.

RECEIVERS OF

GRAIN AND HAY

Chamber of Commerce - Baltimore, Md.

D. YULEE HUYETT
GRAIN AND HAY
COMMISSION
508 Chamber of Commerce
BALTIMORE - - MARYLAND
Liberal advancements on all shipments.

CONSIGNMENTS A SPECIALTY
JOHN T. FAHEY & CO.
Commission Merchants
Grain Receivers and Shippers
In the Market every day
Remember us on Rye BALTIMORE, MD.

Do You Sell or Consign
KIRWAN BROS. GRAIN COMPANY
BALTIMORE, MD.
Buyers, Receivers and Shippers
THEY GET RESULTS

TOLEDO PRODUCE EXCHANGE MEMBERS

Established 1877
W. A. RUNDELL & CO.
GRAIN AND SEED MERCHANTS
We buy delivered Toledo or f. o. b. your station. Personal attention to consignments and trades in "futures."
TOLEDO, OHIO

National Milling Co.
TOLEDO, OHIO
DAILY FLOUR CAPACITY 4,000 BBLS.
ELEVATOR CAPACITY 1,500,000 BU.
Always in the market for milling wheat; ask for our daily bids.

TOLEDO LEADS WORLD
On Clover Seed, spot and futures
TRY
C. A. KING & CO.

ZAHM
Established 1879
J. F. ZAHM & CO.
FRED MAYER FRED W. JAEGER
GRAIN AND SEEDS
CASH AND FUTURES
TOLEDO, - - - OHIO

DELIGHTED
With Your Business
SOUTHWORTH & COMPANY
PROGRESSIVES
TRY US

THE RAYMOND P. LIPE CO.
Shippers of GRAIN and HAY
Consignments of Corn and Oats
Given Special Attention
1330-33 Nicholas Bldg. TOLEDO, O.

Say
Let the Grain Dealers Journal Want Ads do your work.
They bring quick returns.

JOHN WICKENHISER & CO.
Buyers and Shippers of GRAIN
We buy F. O. B. your station for direct shipment to interior points.
Personal attention to consignments.
Toledo, Ohio

INDIANAPOLIS BOARD OF TRADE MEMBERS

JORDAN & MONTGOMERY CO.
WHOLESALE GRAIN
We own terminal elevator here. Can protect your interests. Try us.
612 Board of Trade Bldg, Indianapolis, Ind.

FILES-GREATHOUSE GRAIN CO.
ALWAYS-A-SQUARE-DEAL
Indianapolis, - Ind.

"We personally look after your interests."
Stebbins-Witt Grain Co.
COMMISSION and BROKERAGE
715 Board of Trade Bldg., Indianapolis, Ind.

BUFFALO CORN EXCHANGE MEMBERS

W. W. Alder, Pres. T. J. Stofer, Treas. F. G. Heinmiller, Sec'y

ALDER GRAIN CO.

Consignments a Specialty

619-621 Chamber of Commerce, Buffalo, N. Y.
504 Board of Trade, Indianapolis, Ind.
Lahr Block, La Fayette, Ind.

Henry D. Waters

GRAIN COMMISSION MERCHANT
CONSIGNMENTS SOLICITED
635 Chamber of Commerce, BUFFALO, N. Y.

BUFFALO CEREAL CO.

Buyers of
White Corn, Yellow Corn and White Oats.
BUFFALO, N. Y.

CONSIGN

YOUR GRAIN TO
The Churchill Grain & Seed Company
BUFFALO, N. Y.

REMEMBER

When making consignments to Buffalo, that I do a
STRICTLY COMMISSION BUSINESS
W. G. HEATHFIELD
Member of Corn Exchange BUFFALO, N. Y.

THE TOWNSEND-WARD CO.

GRAIN COMMISSION
633 Chamber of Commerce, BUFFALO, N.Y
Consignments Solicited.
Personal Attention Given All Shipments.

BASIL BURNS

GRAIN COMMISSION MERCHANT
CONSIGNMENTS SOLICITED
BUFFALO - - NEW YORK

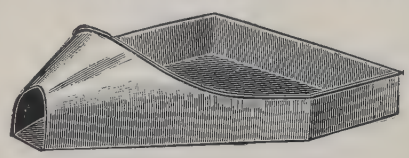
The Electric Grain Elevator Co.

Receivers and Shippers of
GRAIN, MILL FEEDS AND HAY
Correspondence and Consignments Solicited
321 Chamber of Commerce, BUFFALO, N.Y.

PRATT & CO.

Grain Commission Merchants
Correspondence Solicited
817-829 Chamber of Commerce
BUFFALO, N. Y.

GRAIN SAMPLE PAN



For Examining Samples of Grain and Seeds.
Made of Aluminum, strong, light and well made.
Will not Rust or Tarnish.
Grain Size, 2¼x12x16½ inches.....$1.50
Seed Size, 1½x9x11 inches.....$1.25
GRAIN DEALERS JOURNAL, 255 La Salle St., CHICAGO

A. W. HAROLD

GRAIN
BARLEY
A SPECIALTY
717 Chamber of Commerce, Buffalo, N.Y.

To BUY SELL RENT or LEASE an ELEVATOR

Place an ad. in the "Wanted" or "For Sale" columns of the GRAIN DEALERS JOURNAL of Chicago. It will bring you quick returns, yet cost you only 15 cents per line. Try it.

The grain trade's accepted medium for "Wanted" and "For Sale" ads. is the GRAIN DEALERS JOURNAL of Chicago, because such ads. placed in it bring quick returns.

Send your **NEW CORN** to us at **BUFFALO**

WHY?

BECAUSE

Buffalo can be reached quickly,
Buffalo inspection and weighing departments are second to none in the country.

BECAUSE

the

Chamber of Commerce **EASTERN GRAIN CO.** Buffalo, N.Y.,

will trace all such shipments, if unduly delayed and will advise you of the date of their arrival, whether they grade "contract," the discount if contract grade is not secured.

Our Eastern trade enables us to sell consignments quickly. Our account sales and reports are rendered promptly. Balances due shippers are paid immediately.

BOSTON CHAMBER OF COMMERCE MEMBERS

A. W. JORDAN,
Grain Broker
213 Chamber of Commerce BOSTON, MASS.

CAMPBELL & BURNHAM,
505 Chamber of Commerce,
BOSTON, MASS.
Grain, Feed, Off Grade and Sample Wheat
Wheat Screenings, Feed Barley, etc.
WIRE OR WRITE US.

WE HANDLE all kinds of grain and feed; also make a specialty of off grade and sample wheat, feed barley, kaffir corn, etc.
Correspond with us. Think it will pay you.
THE D. W. RANLET CO.
708 Chamber of Commerce Boston, Mass.

Put Your Name
where everyone identified with the grain trade will see it and keep it there.
THAT IS IN THE
Grain Dealers Journal
OF CHICAGO

BROKER
"If you want a broker for New England for the sale of Corn, Oats and Mill Feed, please write me. My business is strictly brokerage, I do not buy or sell for my own account. Refer to C. L. Dougherty & Co. of Chicago, Ill., Smith, Hippen Co. of Pekin, Ill., J. M. Quinn, Peoria, Ill., and Annan Burg & Co., St. Louis, Mo., all of whom I have represented in New England for years."
Yours truly,
B. C. WRIGHT, 609 Chamber of Commerce, Boston, Mass.

PHILADELPHIA COMMERCIAL EXCHANGE MEMBERS

Established 1876
S. J. CLEVENGER
The Bourse, Philada. Penna
We want Grain and Hay consignments.
Quick returns.
WRITE FOR OUR BILLING AND SHIPPING INSTRUCTIONS

E. E. DELP GRAIN CO.
ELEVATOR AND MILLS
BOURBON, IND.
Eastern Office, - Philadelphia Pa.

Established 1863
E. L. ROGERS & CO.
COMMISSION MERCHANTS
Grain, Hay, etc. Consignments a Specialty.
358 Bourse Building
PHILADELPHIA, PA.

WE SOLICIT CONSIGNMENTS AND BUY ON TRACK
Hay, Grain and Mill Feed
E. K. LEMONT & SON
THE BOURSE PHILADELPHIA

A. B. CLEMMER
BROKER
Makes Specialty of Corn, Oats and Mill Feeds
The Bourse, Philadelphia

C. C. FRASER
BROKER
GRAIN AND FEED
The Bourse, Philadelphia

L. F. MILLER & SONS
Receivers and Shippers of
GRAIN, FEED, SEEDS, HAY, ETC.
CONSIGNMENTS SOLICITED
Office 2931 N. Broad St., PHILADELPHIA, PA.

If Your Business
isn't worth advertising
advertise it for sale

CORN and oats in split cars find a ready market here.
M. F. BARINGER THE BOURSE 502-3-4 **PHILADELPHIA**

PEORIA BOARD OF TRADE MEMBERS

W. H. Perrine, Pres. Frank M. Bunch, Treas.
H. A. Rumsey, V. Pres. N. R. Moore, Sec'y & Mgr
RUMSEY, MOORE & CO.
GRAIN and COMMISSION
Board Trade Building PEORIA, ILL.
Your consignments solicited—Personal attention—
Quick returns to
Ask for Our Bids.

BUCKLEY, PURSLEY & CO.
Commission Merchants
GRAIN AND SEEDS
PEORIA, ILLS.

We want your business
W. W. DEWEY & SONS
COMMISSION MERCHANTS
28 Chamber of Commerce, Peoria, Ill.

YOUR MESSAGE Let the Grain Dealers Journal your message bear To progressive grain dealers everywhere.

MINNEAPOLIS CHAMBER OF COMMERCE MEMBERS

MILWAUKEE CHICAGO
E. A. BROWN & CO.
GRAIN COMMISSION
MINNEAPOLIS, MINN.
Consignments Solicited. Prompt Returns Guaranteed.

NYE, JENKS & CO.
Grain Receivers and Shippers
WHEAT **BARLEY** RYE
Careful Attention given all orders from
Millers and Maltsters
MINNEAPOLIS, MINN.

E. L. WELCH COMPANY
GRAIN COMMISSION
MINNEAPOLIS AND DULUTH
Consignments Solicited

TO GET THE TOP PRICES OF THE DAY
Ship Your Grain to
FRASER-SMITH CO.,
Grain Commission
Duluth Minneapolis Milwaukee

The VAN DUSEN-HARRINGTON Co.
GRAIN COMMISSION
Write for prices and samples. We solicit your consignments and futures business.
Minneapolis Winnipeg Duluth Kansas City

WE WANT TO SHOW YOU
that our sales can't be beat.
Will you give us a chance?
RANDALL, GEE & MITCHELL CO.
Minneapolis Duluth

Wernli-Anderson Co.
GRAIN COMMISSION
MINNEAPOLIS
Special attention given to handling Nebraska Winter Wheat.

OTTO A. ZIMMERMAN
Grain Commission Merchant
I Specialize on **BARLEY**
WRITE ME
128 Corn Exchange Bldg., MINNEAPOLIS

WICHITA BOARD OF TRADE MEMBERS

J. R. Williamson Grain Co.
GRAIN COMMISSION MERCHANTS
Consignments Solicited
Sedgwick Bldg., Wichita, Kans

Consignments Mill Orders
The J. W. CRAIG GRAIN COMPANY
RECEIVERS and SHIPPERS
The house you will eventually consign to or place your mill orders with, why not do it now?
WICHITA, KANSAS
Buyers Sellers

Woodside-Smith Grain Co.
201 Board of Trade
WICHITA, KAN.
Receivers and Shippers. Correspondence Solicited.

KELLY BROS. GRAIN CO.
Your consignments and Wichita option orders solicited. Milling wheat our specialty.
Ask us to quote you.
WICHITA - - - - KANSAS

Vest Pocket Grain Tables
reduce any number of pounds from 10 to 100,000 to bushels. For all kinds of grain. Size 2¾x 8¼ in. Printed in 2 colors. Price 50 Cents.
GRAIN DEALERS JOURNAL.
CHICAGO, ILL.

G. S. BARNES, JR.
GRAIN
RECEIVING AND SHIPPING
Milling Wheat a Specialty.
310-328 Board of Trade, Wichita, Kansas

INDEPENDENT GRAIN COMPANY
E. W. JONES, Mgr.
WICHITA, KANSAS
Ask the Man who Consigns to Us.
Mill Orders a Specialty.

HASTINGS & COMPANY
GRAIN BROKERS
327 Sedgwick Block, WICHITA, KAN.
Buyers for Exporters, Mills and Elevators. If in the market for winter wheat write or wire us for quotations.

McCullough Grain Co.
WICHITA, KANSAS
We want to hear from all buyers of strictly country run Kansas and Oklahoma Turkey and Hard Wheat. Ship direct from country stations.

Grain Dealers' Scale Tickets—Book No. 51

This scale book contains 100 pages 8x11½ inches. Each page contains 5 scale tickets and 5 stubs, giving the book a capacity of 500 loads of grain. Each scale ticket is ruled for Number, Date, Load of, From, To, Gross, Tare and Net pounds, Net bushels and pounds, Dollars and Cents, Due to or order and Weigher. While the stub is ruled for Hauler, Load of, Number, From, To, Weighed, Date, Gross, Tare and Net pounds, Net.....bushels.....pounds, Price, Dollars and Fees.

It is printed on manila paper bound in heavy board covers and pages are perforated so that tickets can be removed from book quickly and without tearing them. Book No. 51, Price 75 cents. Address GRAIN DEALERS JOURNAL, 255 La Salle Street, CHICAGO, ILL.

Any Weight

of grain up to 100,000 pounds is reduced to bushels by Clark's Decimal Grain Values, which also shows the value of any number of pounds in dollars and cents. Price $5.00

GRAIN DEALERS JOURNAL
255 La Salle Street
CHICAGO - ILLINOIS

DO IT NOW

Place your name and business before the progressive grain elevator men of the entire country by advertising in the Grain Dealers Journal. It reaches them twice each month.

Receivers, Shippers and Brokers.

BALDWIN GRAIN COMPANY
Succeeding Baldwin-Walker-Tankersley Co.
GRAIN BROKERS
BUYERS OF CAR LOTS
Accounts Solicited of Reliable Firms
R. C. BALDWIN, Mgr. BLOOMINGTON, ILL.

Member: Board of Trade, Chicago Bell Phone
Merchants Exchange, St. Louis No 39
GEO. W. COLE
Grain Broker Bushnell, Ill.
Representing: Chicago, Peoria, Cincinnati, Louisville, and Baltimore Markets.
Territory: Between the Illinois and Mississippi Rivers. Write, Wire or Phone for bids.

McLane, Swift & Co.
Buyers of Wheat, Corn, Natural and Clipped Oats, Choice Rye. Write for bids. Consignments solicited. Elevator located on M. C. & Grd. Trunk.
BATTLE CREEK, :: MICHIGAN

L. E. SLICK & CO.
310 Livingston Bldg., BLOOMINGTON, ILL.
GRAIN BROKERS
We buy grain for all markets.
Both Phones. Accounts of reliable firms solicited.

OATS
CORN
WHEAT
GRASS
SEED
SHIPPERS
Jobbers of Corn, Flour and Feed.
ALLEY GRAIN CO., Mercer, Mo.

REINHARDT GRAIN COMPANY
Car Lot Dealers McKINNEY, TEX.
orrespondence Solicited

W. A. THOMSON & CO.
CORN, OATS and RYE
LOUISVILLE, KENTUCKY
LET US HEAR FROM YOU

Buy the real article of a real live firm
The METAMORA ELTR. CO.
Metamora, Ohio.

MAGEE GRAIN COMPANY
Successors to REDMAN, MAGEE CO.
GRAIN
Delta Elevator CAIRO, ILL.

BONACKER BROTHERS
Brokers and Manufacturers Agents
Grain, Hay, Flour and Millfeed
PENSACOLA, FLA. and TAMPA, FLA.

BLAIR ELEVATOR CO.
ATCHISON, KANS.
Receivers and Shippers
Kansas Hard Turkey Wheat, Corn and Oats

Babcock & Hopkins
SHIPPERS OF
CORN OATS
Kiln Dried and Natural CLIPPED and NATURAL
RENSSELAER, INDIANA

RORER MILL & ELEVATOR CO.
INCORPORATED
ALFALFA MILLERS
Kerno Falfa A Pure Meal
Cerro Falfa Mixed Feed
Shawnee, - - - Okla.

E. A. GRUBBS GRAIN CO.
Greenville, Ohio
Wants Correspondence with members of the Grain Dealers National in Ohio, Indiana and Illinois. We want strictly sound winter wheat, yellow shelled corn and recleaned white oats.

JOS. E. LOVELESS,
BROKER
WASHINGTON, D. C.
HAY, GRAIN, MILL FEED
Personal attention given to consignments. Accounts and correspondence solicited.
Member NATIONAL HAY ASSOCIATION.

Halliday Elevator Co.
WHEAT, CORN and OATS
CAIRO, ILL.
Elevator Capacity 500,000 Bushels

CINCINNATI GRAIN CO.
Commission Merchants
GRAIN, HAY and FEED
CINCINNATI, OHIO

Try
Our Special Brand of White Oats
McCRAY, MORRISON & CO.
GRAIN SHIPPERS Kentland, Ind

CRABBS REYNOLDS TAYLOR CO.
GRAIN AND CLOVER SEED
CRAWFORDSVILLE . INDIANA


TURLE & COMPANY
CAR LOTS
of all kinds of grain
IN and OUT of
DULUTH or MINNEAPOLIS

EDWARD STRITMATTER
Grain Merchant
COLUMBUS, - OHIO
INTERIOR POINTS A SPECIALTY.
Correspondence Solicited.

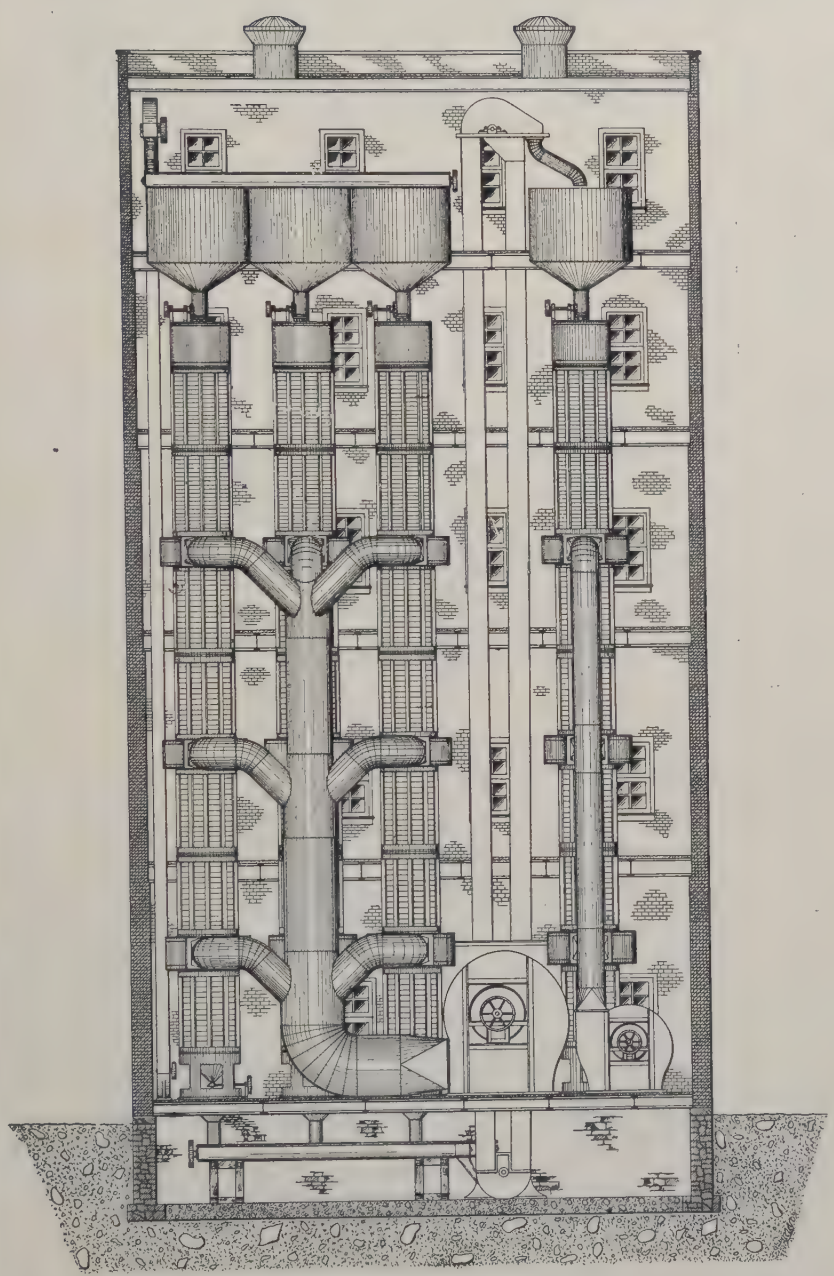
WHEN you have any grain or grain products to sell, give me a chance to furnish my prices; and when you want to buy, let me help you fill your orders.
R. E. ROBEY, Grain Broker, Oklahoma City, Okla.

MAJOR MOBERLY
Wholesale Hay, Grain and Feed
301 W. Pine St., Oklahoma City, Okla.
Alfalfa Meal and Mixed Feeds a Specialty

Your Opportunity
is here. Now is the time to let the elevator man know you want his business. Advertise in the
Grain Dealers Journal

"EUREKA"

Patented Grain Dryer, Cooler and Conditioners



Dries and aerates uniformly and economically wet or damp grain.

Our Claims are substantiated by users.

Here is the system and what the user reports:

Toledo, Ohio, July 2nd, 1910.
The S. Howes Company,
Silver Creek, N. Y.

Gentlemen:

We have your letter of the 1st inst., and are returning the Bond under separate cover, as we consider the Dryers all that you represent them to be.

We have given them a severe test, and they have proven satisfactory. The drying is uniform and the capacity is larger than they were purchased for.

The corn on which they were tested, contained before drying, 19 and 20% of moisture, and the tests show that 5% was taken out of corn dried at the rate of 800 bushels per hour, and 2% at 1,200 per hour.

The principles of your system are correct, and we are well pleased with our plant.

Wishing you success, we remain,

Very truly yours,
THE EAST SIDE IRON ELEVATOR COMPANY,
A. W. Boardman, Sec'y.

We cover our Guarantees with a bond. We accept all the responsibility.

SOLE MANUFACTURERS

THE S. HOWES CO.

Originators of the Highest Grade of Grain Cleaning Machinery

"EUREKA WORKS:" SILVER CREEK, N. Y.

14 Gasoline Engine Bargains

New and Second-hand

LOT No. 8. 1 2 H. P. New Witte Gasoline Engine mounted on skids. Complete with Water and Gasoline Tanks, Dry Batteries, Switch and Coil. Slightly used for demonstration purposes only. This machine is an excellent puller and first class in every way. Will develop over its rated horse power. F. O. B. Omaha $ 77.50

LOT No. 12. 1 3½ H. P. Champion Gasoline Engine mounted on skids. All complete with Batteries, Tanks, etc. "Ready to run." This engine has been used for demonstration a very little. Is an excellent machine; the regular horizontal, four cycle type. Will develop over its rated horse power. F. O. B. Omaha 132.50

LOT No. 15. 1 5 H. P. Otto Second-hand Gasoline Engine. In fair condition only. No batteries, tanks or fittings. We cannot say much about this machine, only that it is a bargain at the price we offer. F. O. B. Omaha 90.00

LOT No. 26. 1 7½ H. P. Webster Improved Horizontal Gasoline Engine, second-hand. Overhauled, painted and neat in appearance and in good order. Fitted with hot tube and electric ignition. Complete with new Tanks, new Pipe and Fittings, new Batteries and new Oil Cups. This is a heavy machine and one that will stand lots of hard use and wear. F. O. B. Omaha..... 165.00

LOT No. 28. 1 7½ H. P. New Champion Gasoline Engine, mounted on heavy wood skids. Complete with Batteries, Tanks and all fixtures and fittings. Is shopworn but new and A1 in every particular. F. O. B. Omaha..... 200.00

LOT No. 30. 1 6 H. P. Howe Stationary Gasoline Engine. This is a new machine; has never been uncrated. Will be supplied with five cell Gordon Battery or Carlisle & Finch Dynamo. Complete with Gasoline Tank and Fittings, and all usual extras. In place of water tank we would furnish jack shaft with adjustable crank disc and short pitman for connecting to pump. Also all necessary fittings for water connection. F. O. B. Omaha..... 240.00

LOT No. 36. 1 9 H. P. Witte Hopper Cooled Portable Gasoline Engine with 24x6 Friction Clutch Pulley. This engine is mounted on all steel truck, swivel front, axle, tongue, double trees and neck yoke, special balance wheels, mounted gasoline tank, and all usual extras, including can of oil. This engine was used four days at the State Fair for demonstration. Special price F.O. B. Lincoln, Neb. 377.50

LOT No. 37. 1 8 H. P. Second-hand Fairbanks Engine. Used about three years. Overhauled and in good condition. All complete; fitted with new batteries, new tanks, and new pipe and fittings. F. O. B. Omaha 145.00
This engine could be repainted and made to look like new at a slight additional charge.

LOT No. 38. 1 8 H. P. Howe Second-hand Gasoline Engine. Used but little; damaged by accident. All damaged parts would be replaced; all new fittings, new tanks, batteries, pipes, etc. Would take a few days to get this engine in shape to ship as it would have to be tested, painted, crated, etc. F. O. B. Omaha..... 175.00

LOT No. 41. 1 10 H. P. Second-hand Fairbanks Engine. Bare engine only, no extras. These could be furnished at an additional cost. This engine is in first class condition, having been used but very little. F. O. B. Omaha..... 200.00

LOT No. 45. 1 10 H. P. Otto Second-hand Gasoline Engine, complete with all fixtures and fittings. This engine has been thoroughly overhauled and refitted and is in excellent condition for a second-hand machine. F. O. B. Omaha 230.00

LOT No. 46. 1 12 H. P. Old Style Lewis Gasoline Engine, thoroughly overhauled and refitted, cylinder rebored, new piston head and rings, one new gear, new oil cups, new pipe and fittings, new tanks and new batteries. Cylinder has been cracked but carefully repaired. This machine is nicely painted and is a bargain at our price. F. O. B. Omaha..... 165.00

LOT No. 49. 1 21 H. P. Otto Second-hand Gasoline Engine. This machine is just as good as new, having been used but very little and replaced with a large steam plant. Furnished with either Gordon Batteries or Large Dry Cells and Remy Magneto. This engine is first class in every way. Will develop full rated horse power. F. O. B. Omaha..... 375.00

LOT No. 52. 1 24 H. P. Howe Gasoline Engine, a new machine. Has never been uncrated. This machine complete with all tanks, pipe and fittings, and usual extras. This engine is very finely finished. Especially economical in the use of fuel as the governor acts on the inlet. There are a number of Howe Engines of this size in this vicinity, and we would be glad to refer you to any of these parties if you are interested. It is the very best in quality and it is simply "trading dollars" at this price. F. O. B. Omaha..... 650.00

Above offered subject to prior sale. We invite correspondence. Will supply further and complete details on application.

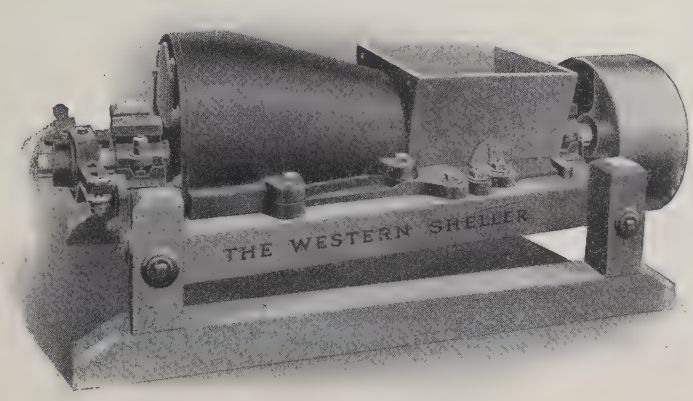
We carry all sizes New Witte Gasoline Engines. Our stock of second-hand engines constantly changing. Write us.

AMERICAN SUPPLY CO., Omaha, Neb.

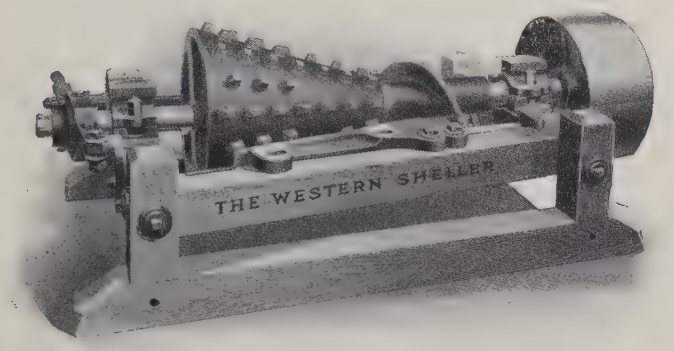
1110-1112 Farnam Street Phones { Bell, Douglas 5304 / Independent A2304

Headquarters for Elevator and Mill Machinery and Supplies, Howe Scales, Witte Gasoline Engines, Etc.

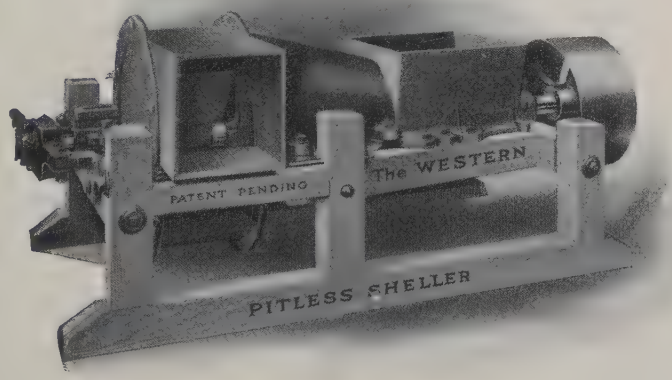
WATCH OUR PRICE INDEX Each 10th of the Month Issue This Paper



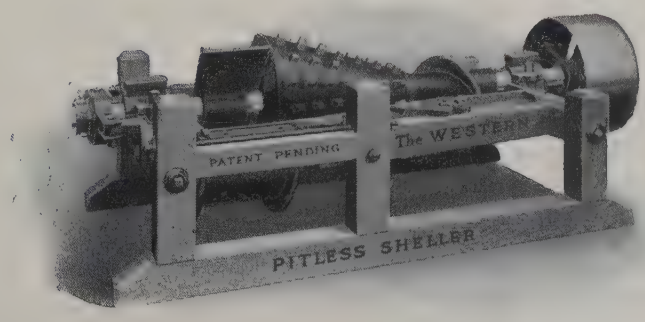
REGULAR WAREHOUSE SHELLER
(Three larger sizes built with extended frames and extra bearing outside pulley.)



Interior view, showing conveyor feed and cylinder



PITLESS SHELLER
Discharges either di ection right or left under or over.



Interior view showing conveyor feeder, cylinder and fan center.

WESTERN

Warehouse Shellers are always in the lead

A Few Points of Superiority

Solid, full-turn, conveyor feeders, making a positive feed.

Wide, flaring hoppers, giving greater capacity, and affording no possibility of corn bridging.

Patented adjusting lever, enabling the operator to instantly adjust the cylinder, while running, to all kinds and conditions of corn.

Shelling parts all subjected to our special chilling process, making them harder than steel.

Frames of seasoned, hard wood, strongly built and bolted together.

Don't attempt to handle the season's crop with a sheller represented to be "like" or "just as good" as the "WESTERN," but insist on having a genuine "WESTERN;" the pioneer cylinder sheller with which others are compared.

Large stock of all sizes for immediate shipment.

Write for Catalog.

Union Iron Works

Sole Manufacturers

"Western" { Shellers and Cleaners / Grain Elevator Machinery

Decatur, Illinois

Kansas City, Missouri
1221-1223 Union Ave.

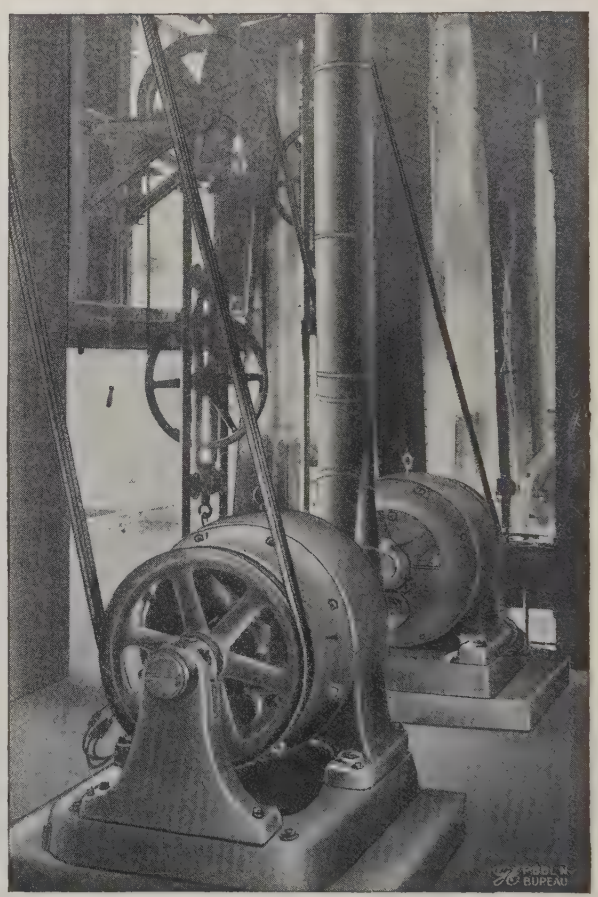
The B. & A. R. R. Elevator at East Boston

is equipped with 2000 H. P. in

General Electric

Motors

See page 569



One of the reasons for this adoption was the reduced fire risk of electric drives.

Fire Risk Reduced

General Electric elevator motors are entirely enclosed receiving their ventilation where necessary from outside the building. There is no electric connection between the rotating and stationary parts of the motors. Bearings are dust and dirt proof, have ample size and are ring oiled from large oil reservoirs. These structural features make sparking impossible and greatly reduce the elevator's fire risk.

Sparkless Control Apparatus

General Electric elevator motors are controlled by oil switches which open the circuit under oil in a tight metal case. No spark here to start trouble in the inflammable dust of an elevator.

Grain elevator drives recommended by the General Electric Company are best because they represent years of careful study by men who have installed electric drives in many of the largest grain elevators in this country. The records of these installations are before these experts when your elevator drive problem is considered. This is an important fact to remember—for engineering advice is valuable to you only as it represents specialized experience.

Write our grain elevator power experts for advice on your power problem. Any questions which you may wish to ask on this subject will be cheerfully answered without obligation to you.

General Electric Company

Largest Electrical Manufacturer in the World

SALES OFFICES IN THE FOLLOWING CITIES:

Atlanta, Ga.
Baltimore, Md.
Boston, Mass.
Buffalo, N. Y.
Butte, Mont.
Charleston, W. Va.
Charlotte, N. C.
Chicago, Ill.
Cincinnati, O.
Cleveland, O.
Columbus, O.
Denver, Colo.
Detroit, Mich.
(Office of Sol'g Agt.)
Indianapolis, Ind.
Kansas City, Mo.
Los Angeles, Cal.
Minneapolis, Minn,
Nashville, Tenn.
New Orleans, La.
New Haven, Conn.
New York, N. Y.
Philadelphia, Pa.
Pittsburg, Pa.
Portland, Ore.
Richmond, Va.
Salt Lake City, Utah.
San Francisco, Cal.
St. Louis, Mo.
Seattle, Wash.
Spokane, Wash.
Syracuse, N. Y.

2704

Principal Office: Schenectady, N. Y.

Witherspoon-Englar Co.

Monadnock Block, Chicago, Illinois

Engineers and Contractors

FOR

Terminal Elevator and Wharf Conveyor System, including Grain Dryer Plant and Dust House

FOR

BOSTON & ALBANY Rail Road

(New York Central & Hudson River Railroad Company, Lessee)

AT

East Boston, Mass.

For plans, photographs and description of which see pages 565 to 572 of this issue.

Grain Elevator Builders

Macdonald Engineering Co.
DESIGNERS AND BUILDERS OF GRAIN ELEVATORS
Monadnock Bldg., CHICAGO, ILL.

GRAIN ELEVATOR
Designing and Construction Made a Specialty
Witherspoon-Englar Co. Monadnock Blk. CHICAGO

John S. Metcalf Co.
ELEVATOR BUILDERS
623 THE TEMPLE
Plans and Specifications a Specialty. CHICAGO

We Build 'Em
Grain Elevators, Mills and Warehouses
Plans and estimates furnished
Peerless Construction Co. Wichita, Kan.

Burrell Engineering & Construction Co.
Designers and Builders of
GRAIN and COAL ELEVATORS
108 La Salle St., - CHICAGO


Fireproof, Concrete Country Elevator
12 Bins, Capacity 40,000 bushels
A. W. MENK, Builder
Minneapolis, Minn.

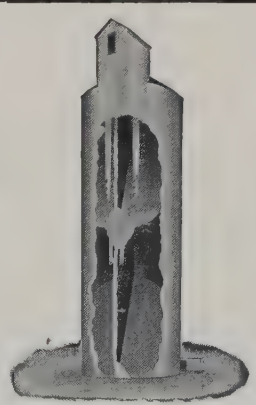
McALLISTER & O'CONNOR
Designers and Builders of
GRAIN ELEVATORS
WAREHOUSES and
COAL CHUTES
In Wood or Concrete
1232 Monadnock Block, CHICAGO, ILL.
First class and up-to-date work
Plans and estimates furnished

OLSON BROTHERS & CO. Engineers & Contractors
Grain Elevators, Flour Mills and Complete Plants for handling Coal, Sand, Gravel, Ores, Ashes, etc.
Phone Humboldt 2373 2418-22 Bloomingdale Ave. CHICAGO, ILL.

The Twentieth Century Way
Concrete Construction
KAUCH R HODGES & COMPANY
206 Royal Building, Memphis, Tenn.
DESIGNERS AND BUILDERS
Grain Elevators and Warehouses

STEEL GRAIN TANKS
We are pioneers in this line and are building tanks in the good old fashioned way Joints caulked and guaranteed water, weather and bug proof. Long experience has demonstrated the necessity of high grade workmanship to make steel storage a success. We do it.
Wm. Graver Tank Works, East Chicago, Ind.

Unsurpassed Facilities
We can now assure those interested in the highest class construction of
Grain Elevators, Mills and Warehouses
On points of experience, merit, right price and advantageous connections we guarantee you satisfaction.
Give us an opportunity to prove it.
P. H. PELKEY CONSTRUCTION CO.
WICHITA, KANSAS
Builders, Designers and Engineers
G. C. Christopher and A. C. Rynders, Sole Owners

Interior View Finton
Single Sub-Divided Tank Concrete Elevator, 10,000 to 18,000 Bushels Capacity.

Four to 12 bins. Every part reinforced concrete. Fireproof. Rat proof. No Repairs. Lasts forever. Write for cost and other advantages.
Finton Grain Elevator Construction Co.
Appleton, Wis.

Want a Position?
Read the following and advertise in the "Situations Wanted" column of the Grain Dealers Journal.

Indianapolis, Ind., Feb. 8, '10.

Grain Dealers Journal,
Chicago, Ill.

Gentlemen:

Please discontinue my advertisement, for your efficacious journal has procured me a good position. Luck to the Journal.

Respectfully,
Everett W. Cox.

Cost is only 15 cents per type line per insertion.

GRAIN ELEVATOR BUILDERS

CONCRETE GRAIN STOREHOUSES

are fireproof and durable. The cost of maintenance and insurance of building and contents is reduced to a minimum. Grain keeps better in concrete and business is never interrupted by a fire. It is the only material the grain dealer who expects to remain in business can afford to use, and if he wishes to sell out, his plant is as good as new.

Write for Plans and Specifications to

B. J. CARRICO, Fort Worth, Tex.

G. H. Birchard
CONTRACTOR OF Grain Elevators.

Especially Designed for Economy of Operation and Maintenance
LINCOLN, NEB.

THE SIDNEY ENGINEERING & CONSTRUCTION COMPANY

Designers and builders of grain elevators. Elevator property bought and sold.

SIDNEY, OHIO

WESTERN IMPROVEMENT CO.
ELEVATOR CONTRACTORS

We design and build grain elevators throughout the Northwest.
Write us for Plans and Specifications.

MINOT : : NORTH DAKOTA

Write to the

Cramer Construction Company

1110 Farnam Street, Omaha, Neb.

for plans and estimates upon modern grain elevators. Over 200 of our houses in operation.

W. D. SHORT

Successor to J. A. HORN & CO.,
Oklahoma City., Okla.

ELEVATORS, MILLS, WAREHOUSES

THE LATEST, THE BEST
and at the right price.

MODERN ELEVATORS?

YES, INDEED. Address the inquiry

W. H. CRAMER
ST. PAUL, NEB.

and satisfaction will be yours. Convincing references.

Honstain Brothers Co.



Contractors and Builders of

GRAIN ELEVATORS

We solicit your inquiries.

306 Corn Exchange, Minneapolis, Minn.

V. E. FORREST CO.
ELEVATOR BUILDERS
TYNDALL, SO. DAKOTA
Successors to C. M Forrest & Co.

REDUCE YOUR EXPENSE

bill, by having an Elevator that does the work. I build and remodel grain Elevators. Write for plans and prices.

R. M. VAN NESS, Fairbury, Neb.

O. P. HIETT CO.

BUILDERS
GRAIN ELEVATORS, FLOUR MILLS AND DISTILLERIES
Also handle Machinery and Supplies.

PEORIA - - ILLINOIS

I. J. HERRING

Contractor and Builder of Modern Up-to-Date Country Elevators.

All work personally looked after—not in office but on the spot. Write for reference.

HASTINGS, NEBR.

—W. H. WENHOLZ—

Designs and Builds 'Em
GRAIN ELEVATORS AND MILLS
28 years experience, that's not all, write me about my Grain Cooling System.

1212 Fiftieth Ave., Morton Park, Ill.

Gas Engine Books

Operators of gasoline engines who encounter difficulties in the care or operation of gas or gasoline engines will find each of the following books of great assistance.

THE PRACTICAL GAS ENGINEER, by E. W. Longanecker, M. D., Price $1.00.

THE GAS AND GASOLINE ENGINE, by Norman & Hubbard, Price $1.00.

THE GAS ENGINE HANDBOOK. by E. W. Roberts. Price $2.00.

GAS ENGINE TROUBLES AND REMEDIES, by Albert Stritmatter, Price $1.00.

THE PRACTICAL GAS AND OIL ENGINE HANDBOOK, by L. Elliott Brooks Price $1.00.

For any of the above address

Grain Dealers Journal
255 La Salle St. Chicago, Ill.

D. F. HOAG

CONTRACTOR and BUILDER
GRAIN ELEVATORS

222 Corn Exchange, Minneapolis, Minn.

Clark's Car Register

Shows at a glance where to look for the record of any car of grain. It is made of heavy ledger paper, is well bound and indexed. Size 11x14½ in.

No. 40. Contains spaces for 9000 cars - - - - $1.50
No. 42. " " " 17000 " - - - - 2.50

GRAIN DEALERS JOURNAL
255 La Salle Street Chicago, Ill.

DESIGN AND CONSTRUCT GRAIN ELEVATORS POWER PLANTS, MILLS and WAREHOUSES



All Types of Construction

Grain Bleaching and Cleaning

The Stephens Engineering Company
Engineers-Contractors
Monadnock Block, Chicago, Ill.

Grain Receiving Register

This book is designed to facilitate the work of the country grain man in keeping a record of wagon loads of grain received.

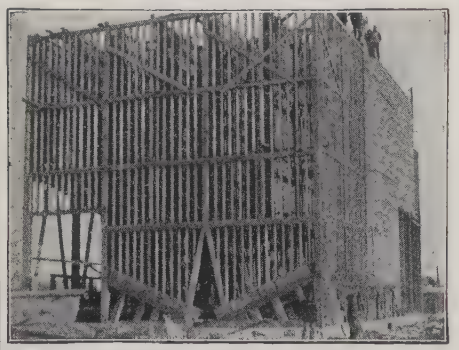
At top of the 11 columns are printed Date, Name, Kind of Grain, Gross, Tare, Net, Bushels, Pounds, Price, Amount, and Remarks.

Each book has 100 pages, 8½ x 14 inches, and each page 40 lines, making each book contain spaces for records of 4,000 loads. The book is well printed and ruled on linen ledger paper, and substantially bound in extra heavy canvas covers. Order Form 12AA. **Price $1.50.**

GRAIN DEALERS JOURNAL, 255 LaSalle St., Chicago, Ill.

Grain Elevator Builders

Studded Constructed Elevators



THIS illustration shows an elevator of our design in process of construction. We make complete plans and specifications. Our experience will make money for you.

Write us.

Reliance Construction Co.
625 Board of Trade
Indianapolis, Indiana

GRAIN ELEVATORS ∴ WAREHOUSES
STORAGE TANKS ∴ SEED HOUSES

Built of

Wood or Fireproof Material

PLANS—SPECIFICATIONS—ESTIMATES

Give me a chance to figure with you before making contract.

T. E. IBBERSON

Minneapolis :: :: Minnesota

BECOME ACQUAINTED WITH

FRIEDLINE

Strictly modern DESIGNER AND BUILDER of Grain Elevators, Concrete Storage Tanks, Mills and Warehouses.
Our Reinforced Grain Driers are the best and give permanent satisfaction.
We furnish plans and specifications, and take complete contracts.

FRED FRIEDLINE & CO.
253-261 La Salle Street- - CHICAGO

25 LONG YEARS



OF EXTENSIVE AND VARIED EXPERIENCE

in elevator building have fitted us to build the best, most thoroughly modern, at prices that will commend themselves to you. We operate anywhere in the Central Western States, build of re-inforced concrete or wood, or combination. Write us TODAY.

M. J. TRAVIS & CO. :: Kansas City, Mo.

Too bad you got "stung" on that last cleaner.

Don't let it happen again.

Buy a Reliable ***BEALL*** *Cleaner.*

You will be proud to show it to others especially years hence.

The Beall Improvements Co.

DECATUR, ILLINOIS

The Grain Dealer

has no fear of immature corn, wet harvests or late planting if he has a

Hess Grain Drier

for he knows that **Hess Dried Corn,** dried with warm air and cooled with fresh air is best for shipping, best for milling, and best for storing. Equip your elevator **now** with a HESS DRIER and be ready for business. You will then not only be insured against loss but enabled to make a profit on out of conditioned grain which your competitor, having no drier, cannot handle.

BOOKLETS FREE

Hess Warming and Ventilating Co.

907 TACOMA BUILDING
CHICAGO

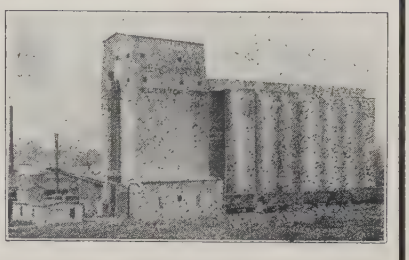
Ask about our U. S. Moisture Testers.

GRAIN ELEVATOR BUILDERS

Better have
YOUNGLOVE
build your
ELEVATOR
than to wish you had.

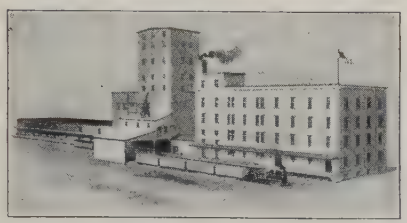
Younglove Construction Co.
219 Grain Exchange SIOUX CITY IOWA

Grain Elevators
Storage Tanks
Ware Houses
in WOOD or
FIREPROOF
MATERIALS
Plans, Specifications, Estimates



Elevator and 6 tanks erected in 1908. 8 Tanks added 1910.
We design and erect GRAIN HANDLING OR STORAGE PLANTS AND WAREHOUSES.
L. O. HICKOK & SON
Engineers and Contractors
619 Flour Exchange, MINNEAPOLIS, MINN.

WE BUILD High Grade Milling Plants



IN
CEMENT,
STEEL or WOOD
Grain Elevators
and Power Plants
Steam, Gas
Electric

A. E. BAXTER ENGINEERING & APPRAISAL CO.
BUFFALO, N. Y.



WHEN YOU WANT an Elevator built according to the most modern ideas and which will be satisfactory in every respect, write to me.

My years' experience in planning and building elevators will satisfy your every requirement and save your time and trouble in determining what is best.

FRANK KAUCHER, St. Joseph, Mo.

JAMES STEWART & CO.
CONTRACTORS
Designers and Builders of GRAIN ELEVATORS In All Parts of the World



Extensive additions to the Washburn-Crosby Co.'s plant, Buffalo, N. Y., consisting of 6,000 Barrel Flour Mill, Million Bushel Concrete Grain Storage and 600 Foot Dock.
This is another case where preference was given concrete over tile construction (Note tile storage tanks in the rear).

GRAIN ELEVATOR DEPARTMENT, 1811 Fisher Building., Chicago
W. R. SINKS, Manager R. H. FOLWELL, Engineer
We also do General Contracting and have Offices in the following cities.
Write or call on any of them.
New York, Hudson Terminal Bldg. St. Louis, Mo., Bank of Commerce Bldg.
Pittsburg, Pa., Westinghouse Bldg. New Orleans, La., Hibernia Bank Bldg.
San Francisco, Cal., 709 Mission St. Denver, Colo. First National Bank Bldg.
Canadian Stewart Co., Ltd., Montreal, Canada, Eastern Township Bank Bldg.
Fort William, Ontario, Canada



GREAT NORTHERN RY. CO.
ELEVATOR "S" ANNEX, SUPERIOR, WIS.
2,250,000 Bushels Capacity
Reinforced Concrete

Built Complete in 120 Days by
The Barnett & Record Company
Minneapolis, Minn.
CONTRACTORS AND ENGINEERS

LINCOLN COAL

Best for

DOMESTIC USE

6-inch Shaker Screened Lump
6x3 inch Roller Screened Egg
3x1½ inch Roller Screened Nut

Contain no Screenings or Impurities

MINED AT LINCOLN, ILLINOIS

Write for Delivered Prices

Lincoln Springfield Coal Co.
Old Colony Building, CHICAGO

The Triple Self-Locking Seal



has three separate locks. Cannot be opened or picked without mutilation.

Initials and numbers printed or embossed as desired.



Requires no sealing press, thereby saving much time in sealing cars.

To lock: Insert loose end in mouth of case and crowd back to shoulder of same, when all three locks will snap into place.

Send for Samples and Prices

Chicago Car Seal Company
380 N. Green St. CHICAGO, ILL.

COAL!

Lill-Robinson Quality

is MORE than the standard; it is the best! When you buy "L-R" Anthracite or "L-R" Bituminous coal, you not only get the very best the market affords, but you get even more than this. You get

Lill-Robinson Service

This means that when you order coal from the "L-R" Company, you get "what you want when you want it," and if you have had much experience in buying coal you know what this means.

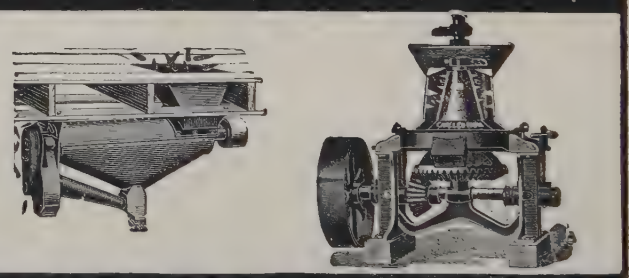
We are shippers of the very best coal from the following fields:

SCRANTON ANTHRACITE from Pennsylvania
CARTERVILLE 6" Lump and Egg and 3" Nut, Southern Illinois.
"GOOD WORTH" Lump, Egg and Nut, from Indiana.
LONE RIDGE POCAHONTAS from West Virginia.
SUNDAY CREEK HOCKING, Ohio.

Write us for delivered prices at your station.

LILL-ROBINSON COAL COMPANY
215 DEARBORN ST., CHICAGO
Long Distance Phone, Wabash 3288—ALL DEPARTMENTS

Triumph Corn Sheller and Crusher



THE C. O. BARTLETT & SNOW CO.
CLEVELAND, OHIO, U. S. A.

Record of Cars Shipped

Is a book designed especially for country shippers in keeping a complete record of each car of grain shipped.

It is ruled to meet the needs of the grain dealer's business. The column headings are: Date Sold, Date Shipped, Car No. Initials, To Whom Sold, Destination, Grain, Grade Sold, Their Inspection, Discount, Amount Freight, Our Weight, Bushels, Destination Bushels, Over, Short, Price, Amount, Freight, Other Charges, Remarks.

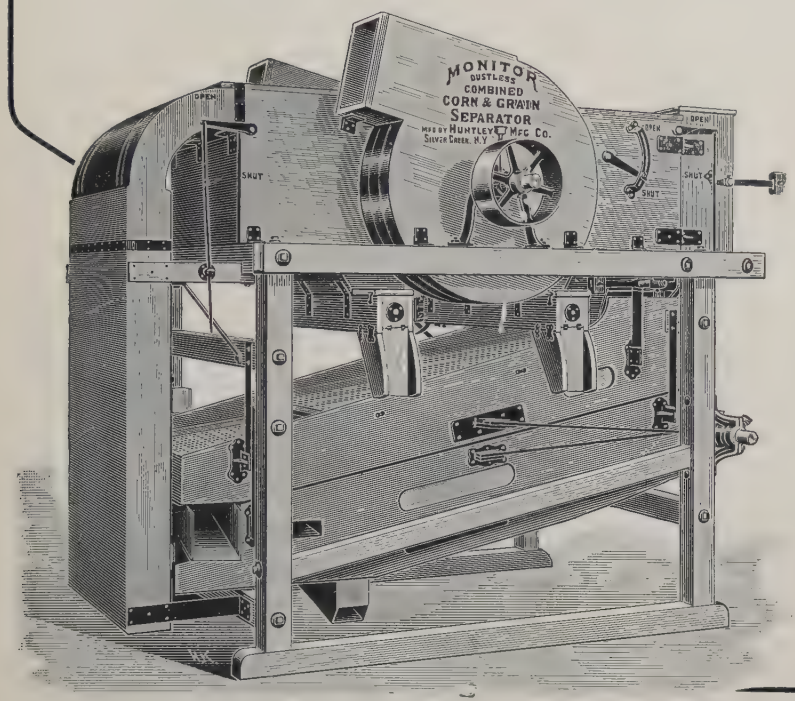
The book is 9½x12 inches, and contains 160 pages of linen ledger paper, 29 lines to each page, and has spaces for recording the foregoing facts regarding 2,230 carloads. It is well bound in strong boards with leather back and corners.

Order Form 385. PRICE, $1.50.

GRAIN DEALERS JOURNAL
255 La Salle Street, CHICAGO, ILL.

MONITOR COMBINED CLEANER

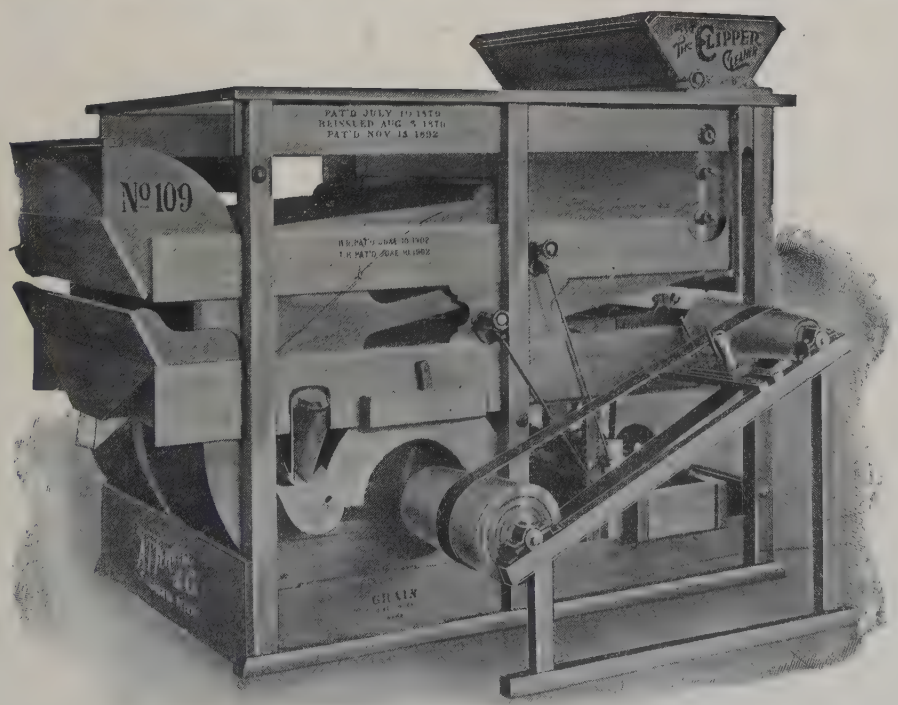
IS EQUAL TO TWO MACHINES



Practically all the advantages of two grain cleaners are to be had by the use of this one machine. It handles two different kinds of grain without change of screens—a change from one kind of cleaning to another requiring only a moment's time to shift valves and levers. Will clean grain more economically than other cleaners, producing a considerable saving in shrinkage loss, power, care and attention. Light running and easily regulated. Hundreds in use. Send for list of users, illustrated description and prices.

HUNTLEY MFG. CO.
Silver Creek, N. Y.

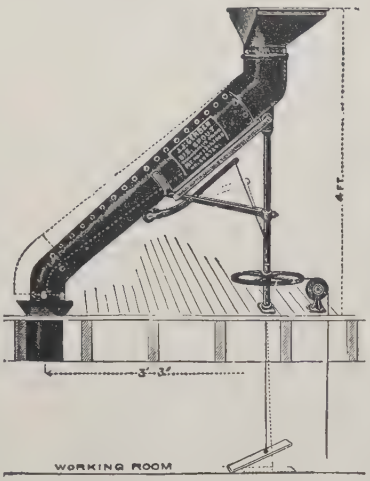
The No. 109 Clipper Cleaner



Is unequaled for handling seeds or grain in local elevators. This machine has Traveling Brushes on the screens, which enables you to keep it working to its full screen capacity all the time. It is very light running, strongly built, easily installed and simple in operation. We guarantee this Cleaner to give perfect satisfaction on clover seed, timothy or any kind of grain, and it can be operated with one-fourth the expense for power of any suction cleaner on the market. It will not require over one-half of one horsepower on clover or any kind of seed, nor over one horsepower on grain. If you are looking for a first-class, up-to-date cleaner of moderate capacity, we would be glad to send you catalog and give prices and particulars upon request.

A. T. FERRELL & CO., :: Saginaw, W. S., Michigan

Gerber's Improved



Distributing Spouts

are used in all parts of the country because they are made by skilled workmen, have a world-wide reputation, and will prevent the mixing of grain.

J. J. GERBER

MINNEAPOLIS MINN.



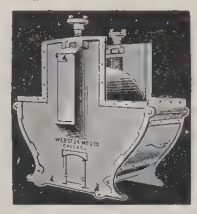
SUCCESS
SAFETY MAN LIFT

Install one in your elevator and save climbing and **10c per hundred on insurance.** Write for circular and price.

HASTINGS
Foundry & Iron Works
HASTINGS - NEBR.

Elevator Supplies

We manufacture a complete line of grain-handling machinery including

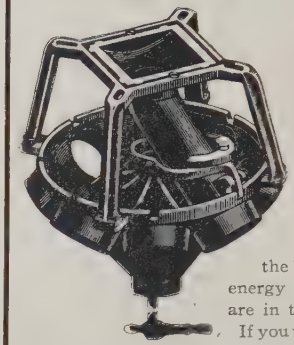


SPOUTS, BOOTS, Clutches, Buckets, Pulleys, Belting, Etc.

We carry a stock on hand and can make prompt delivery. Consult us when planning improvements.
Write for catalog.

K. C. Mfg. & Supply Co.
Kansas City, Mo.

THE DESIGN OF THE
Hall Signaling Distributor



is as near perfect as a mechanical proposition can be. This was not obtained in a day or at a single bound. We have been at it a dozen years. The experience, the knowledge, the energy of those years are in the "HALL."

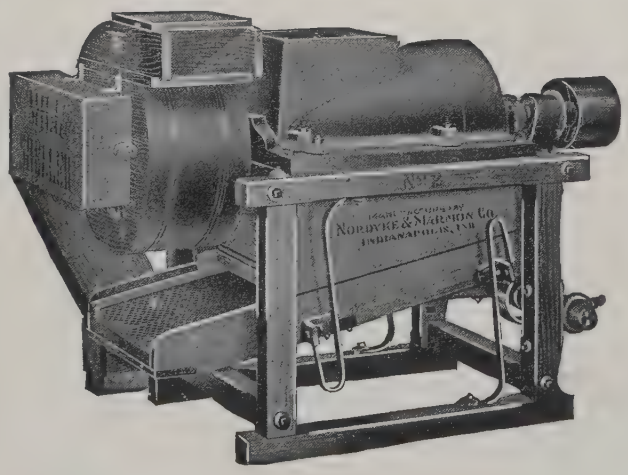
If you want efficiency, economy and durability, specify the "HALL."
It has the endorsement of trade, the schools, and individual judges.
It is convenient and very simple.

HALL DISTRIBUTOR CO.
222 Range Bldg., Omaha, Neb

BOWSHER
(Sold with or without Elevator)
CRUSH ear corn (with or without shucks) and **GRIND** all kinds of small grain. **Have Conical-Shape Grinders. Different from all others.**



LIGHTEST RUNNING
(Our circular tells why)
Handy to Operate. Eight Sizes—2 to 25-horsepower.
Peculiarly suited for use with Gasoline Engines.
The N. P. Bowsher Co.
South Bend, Indiana
FEED MILLS



MILL SHELLER

A Combined Sheller and Cleaner for small mills and country elevators. Simple, durable and economical. Cylinder discharges on head end of shaker, thus obtaining full benefit of screens. The most efficient combined machine of small capacity on the market. Built in two sizes, 40 to 100 bushels capacity. Send for Catalog 568.

Our line includes mill and elevator supplies of all kinds, power connections, grain handling appliances and many special machines for mills and elevators.

Estimates cheerfully furnished.

NORDYKE & MARMON CO.

America's Leading Mill Builders

Established 1851. **INDIANAPOLIS, IND.**



Cover's Dust Protector

Rubber Protector $2.00

Sent postpaid on receipt of price; or on trial to responsible parties. Has automatic valve and fine sponge.

H. S. COVER

124 Perley St., South Bend, Ind.



RATS & MICE EXTERMINATED SCIENTIFICALLY

With RATITE. No Danger. No Odors
PASTEUR VACCINE CO., Ltd.
Room 862, 325 Dearborn St., Chicago, Ill

The EHRSAM

TWO-HIGH CORN and FEED MILL

will meet all requirements when large capacity is required. It is built for rolls nine inches in diameter. The frame is constructed entirely of cast iron, so arranged that the rolls can be removed from frame, for grinding and corrugating, with little trouble. The mill is furnished with belt or gear drive on slow side, as may be preferred. It is suitable for grinding coarse or fine meal, barley, graham flour, linseed meal, rye and corn chop, etc. We also manufacture Special Machines for Flour Mills, Plaster Mills and Elevators.

Write for Catalogue Illustrating and Describing Our Line.

The J. B. Ehrsam & Sons Mfg. Co.

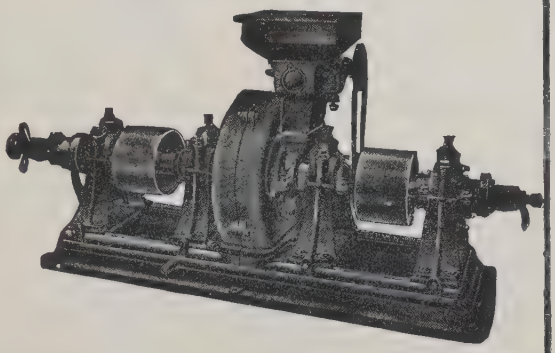
Enterprise Kansas

Your Profits

at the end of the year are shown by the amount of cash you have. You will find the feed grinding end of your business very profitable if you have a

Monarch Feed Mill

Let us prove it to you by sending you one on trial. *WRITE US*



SPROUT, WALDRON & CO
P. O. 260, MUNCY, PA.

THE KING BUCKHORN MACHINE



should be a part of every cleaning equipment where clover seed and alfalfa are handled; it is not only reliable as a Buckhorn machine, but it is of equal value as a separator of pigeon grass and fox tail from clover and alfalfa; it also does first-class work in separating timothy from alsike.

Write us for further information.

We have a few second hand machines taken in on an exchange for large machines that we will sell cheap.

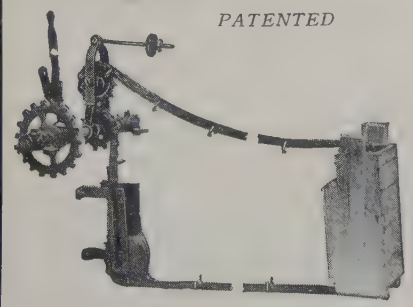
J. M. KING & SON, North Vernon, Ind.

Standard Cleaners Cleans Clean

When you buy a cleaner you want a cleaner—not a fanning machine. Ours are "Standard" in name and quality. They have proven themselves. You will be interested in our exclusive features, owned and controlled by us. WRITE US TODAY—NOW.

The International Manufacturing Co.
CRESTLINE, OHIO

PATENTED



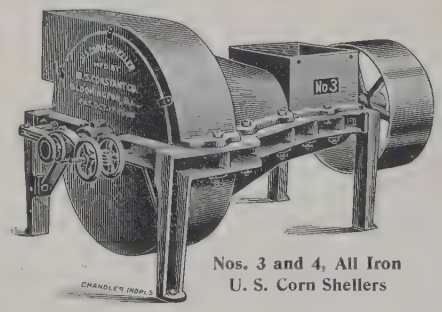
B. S. C. Chain Feeder and Conveyor

An Ideal Equipment

CONSISTS OF OUR

Self-Locking Rail Dumps, B. S. C. Chain Drag, U. S. Corn Sheller, U. S. Corn, Oats and Wheat Cleaner, Ball-Bearing Safety Manlift, Dandy Turn Heads, Dust Collector, Elevator Boots and Heads.

Any contractor will furnish our specialties if you will specify them. So don't forget.



Nos. 3 and 4, All Iron U. S. Corn Shellers

Catalog No. 2 and our Expert's Services are yours free of charge.

B. S. CONSTANT CO., Bloomington, Ill.

WITTE ENGINES



USE GAS, GASOLINE OR KEROSENE

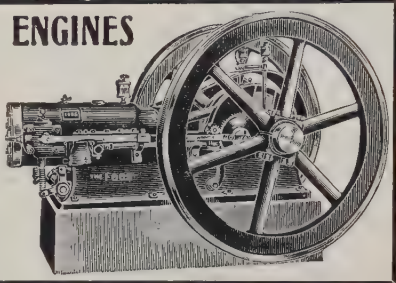
make a dependable power for Elevator and Mill work. Your plant is running in one minute, no time lost getting ready for short runs. The equipments are complete and conform to Insurance rules.

FIVE YEAR BOND GUARANTEE

Our elevator engines have wipe feed oil systems, vertical valves auto noiseless mufflers and many other advantages. If you use the **WITTE** you help us advertise. So write for our introducing proposition stating size wanted.

WITTE IRON WORKS CO.
1626 Oakland Ave., KANSAS CITY, MO.

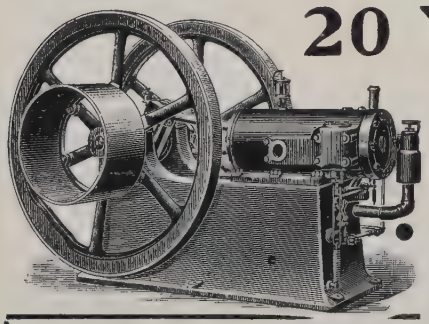
FOOS GAS and GASOLINE ENGINES



Economy, close regulation and highest efficiency obtained from the Patented Wipe Igniter, Straight Line Counterbalance and Direct Lift Vertical Poppet Valves. All improvements tested by 24 years of exclusive Gas Engine building, resulting in high grade efficiency, convenience and durability, more complete than any other on the market. Engines 2 to 90 H. P. Horizontal type described in catalogue No. 20.

THE FOOS GAS ENGINE CO., Springfield, Ohio
Largest exclusive gas engine plant in America

20 Years' Trial



For over twenty years we have been building Thompson-Lewis Gasoline Engines.

While every engine is thoroughly shop tested before it is shipped, we have not stopped with such a trial, but have tried to keep track of it in actual service

As yet we have ailed to find one which has failed to do all that we claimed. This

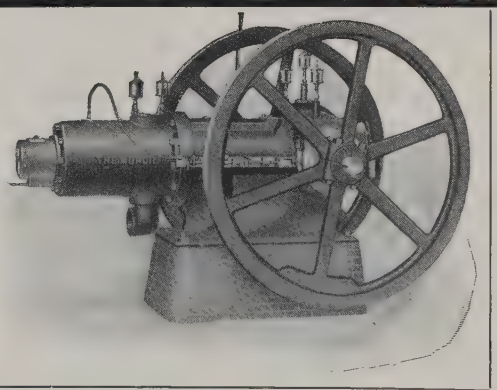
PROVES ITS SUPERIORITY

These engines are built for long service.

In fact we have by careful study been able to produce an engine which is almost perfection in the hands of our customers.

We guarantee them to do all that we claim. They are made in several sizes and styles. *Send for Catalog.*

J. Thompson & Son Mfg. Co., Beloit, Wis.



HERE'S WHAT YOU NEED!

A Muncie Oil Engine.

SOLD ON A POSITIVE GUARANTEE.

It produces power at a small fraction of the cost of operating any other type engine.

Will Pay for Itself in a Short Time

Operates on CRUDE OIL, FUEL OIL, KEROSENE or DISTILLATE. Write now for Free Catalogue.

MUNCIE GAS ENGINE & SUPPLY CO., Muncie, Indiana
Mulberry Street and Railroads

ANTI-FREEZING SOLUTION

for Water Jackets of Gas Engines

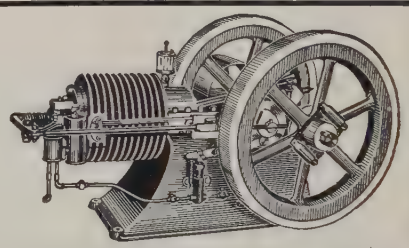
RHODES' Calcium Chloride

Will not rust, absolutely odorless. Will not evaporate, lasts all winter. Five (5) pounds to a gallon of water, will not freeze 54° below zero. Has been used for several years and is absolutely standard.

Guaranteed to have lowest freezing point, pound for pound, of any Anti-Freezing Solution.

(Send for Circular.)

JAMES H. RHODES & COMPANY
2 Cedar St., New York 162 W. Kinzie St., Chicago



SAVES GASOLINE—This engine runs on ⅓ less gasoline than any other make. Let us prove it. Try one in your elevator for 30 days FREE. Cylinder is cooled without the use of fans or water, there is nothing to "Freeze up." Many large firms use this engine exclusively. We will be glad to furnish you their names. GADE BROS. MFG. CO.,
116 Main St., Iowa Falls, Iowa

Grain Buyers Weight and Copy Book No. 66

Is designed for agents of line companies, to use in keeping record of each day's purchases. Sending carbon copy to home office and retaining original. It saves labor and time and prevents errors in copying.

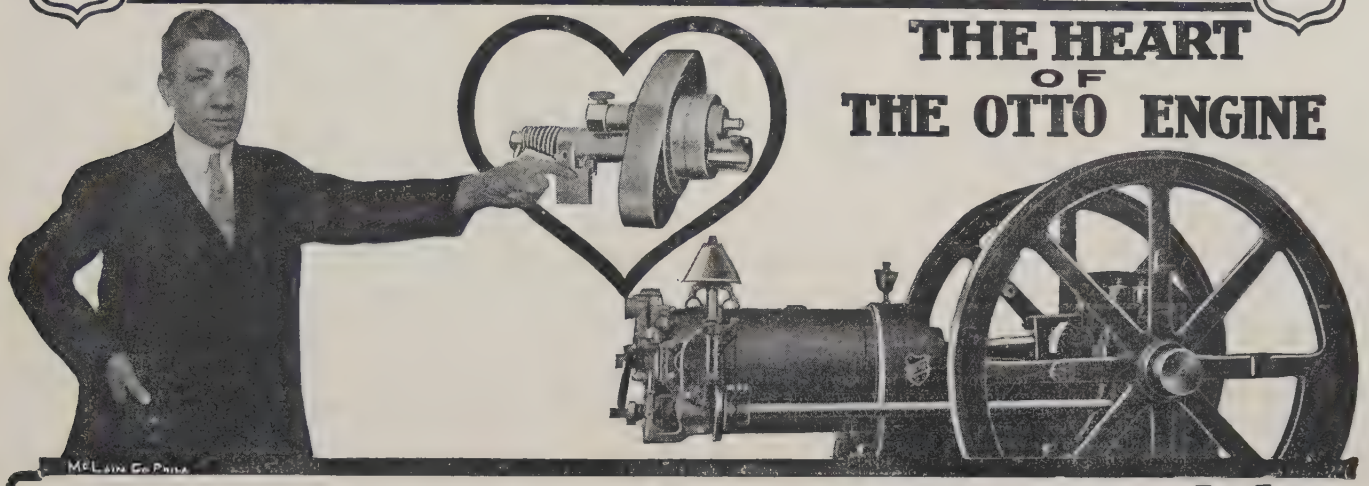
This book is 12x12, contains 225 pages and has room to record 7,425 loads in duplicate. Each page has duplicate printing for column heads of Gross, Tare and Net weights and the page is perforated down the middle from top to bottom, so that half of it folds back on the inside half, bringing the duplicate printing on half of the page over the printing on the under half, so that when a carbon paper is inserted between the leaves formed by folding oack the page, an exact duplicate is made of the original entry.

A sheet of pressboard 6x12 inches is furnished with each book. It is placed between the pages and makes a good writing surface. Three sheets of carbon paper are furnished with each book.

The book is well bound in heavy board covers. **Price, $2.00.**

GRAIN DEALERS JOURNAL
255 La Salle St., CHICAGO, ILL.

Why OTTO Products are Cheapest



THE HEART OF THE OTTO ENGINE

Seventh Reason— Just as the heart is to the human body, so is the spark plug to the gas engine. The most expensive and elaborate gas engine is but an inert, useless mass of metal, it the igniter refuses to supply the necessary spark.

The Otto igniter is our own patented device of the make and break type, unique in design and dependable in operation. We say **dependable,** and we mean all the word implies.

Otto users are **dead sure** of a constant, uniform spark. So sure are they that we have letters from users who state that they start their Otto in the morning and leave it for the entire day, **knowing** it will be running just as steadily when they return to stop it in the evening. The only limit to the time of continuous running with the Otto is the capacity of the oil or grease cups for lubrication. In cases like to above sufficient lubricant is, of course, provided for the entire day.

And this freedom from ignition troubles, to say nothing of the attendant peace of mind, is only one of the great permanent extra values received from the Otto. The time and fuel saved by this patented igniter soon pay for the small difference in first cost.

Will you let us prove all these claims by simply sending us your name and address on the attached coupon? We'll send you first a complete description of every single detail of the Otto which will open your eyes to gas engine construction, and to back this up we'll send you letters from some of the 100,000 actual Otto users, which is the best evidence you can get.

Will you tear out and send the coupon right NOW—while you're thinking of it?

OTTO GAS ENGINE WORKS, 3213 Walnut St., PHILADELPHIA, PA.

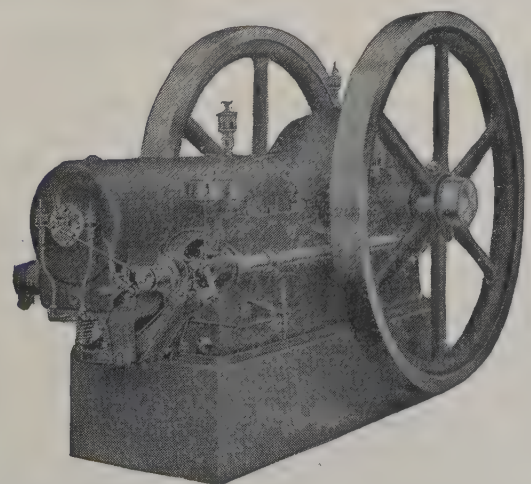
Branches—Chicago, Boston, New York, Pittsburg, Omaha, Kansas City, Minneapolis, San Francisco

----COUPON----

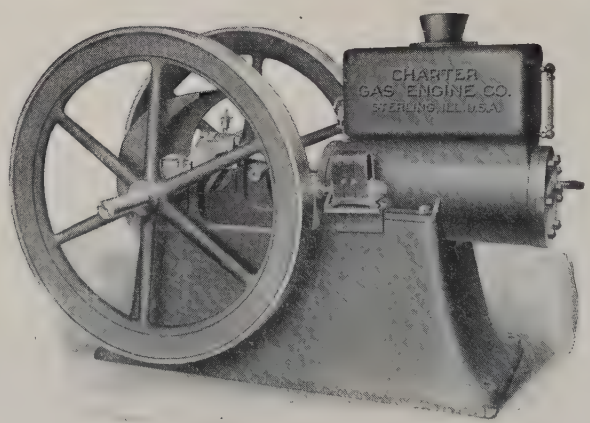
OTTO GAS ENGINE WORKS, PHILA., PA.
Gentlemen:—Replying to your ad. in Grain Dealers' Journal, Oct., send me catalogs, etc., together with approximate estimat
for installing an Otto engine of.....H. P.
To be used for.....
Name.....
Firm Name.....
Address.....

THE
FIELD
THE DE LUX ENGINE
AN ELEVATOR ENGINE

Write us for a list of elevators using THE FIELD



MFG. BY
THE FIELD-BRUNDAGE CO.
JACKSON, MICH.



SIXTEEN YEARS CONSTANT USE IN ELEVATOR

Ovid, Mich., Aug. 16, 1910

The Charter Gas Engine Co.,
Sterling, Ill.

Gentlemen:—I have had a Charter gasoline engine in constant use since September, 1895, in my elevator, and after some little repairs this month I find it about as good as new.

To my mind this speaks well for your engine after sixteen years of constant use. I am very much pleased with it, for it fills the bill in every particular.

Very truly yours,
CHAS. COWAN SEED CO.

Original Gasoline Engine of the World

100 H. P. and smaller for All Kinds of Work

Gasoline, Kerosene, Naptha, Distillate, Gas, Fuel Oil
(Very Economical)

Send for Catalog and Give Your Specifications

CHARTER GAS ENGINE CO.
Box 509 Sterling, Ill., U. S. A.

TRY it for sixty days at our expense, then you'll realize the National Automatic Scale is the best Automatic Scale ever produced.



Surely this offer should give you confidence!

This machine gives satisfaction from its installation and is guaranteed to do its work with greatest rapidity and accuracy, and is perfection in simplicity.

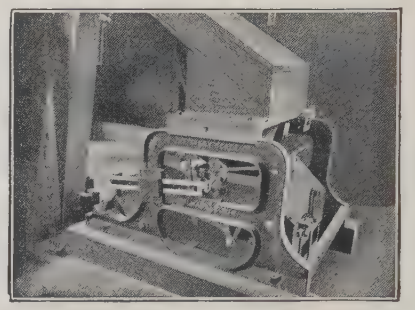
Get one on trial to-day—NOW!

Send for Catalogue.

National Automatic Scale Co.

BLOOMINGTON, ILL.

AVERY



WEIGH YOUR SCALE BEFORE BUYING

YOUR BANK BALANCE FIGURES

FOLLOW THE LEAD OF YOUR WEIGHT FIGURES

Would you trust the handling of your BANK ACCOUNT to the first man to ask you for it without investigation?

YOUR SCALE RUNS YOUR BANK ACCOUNT

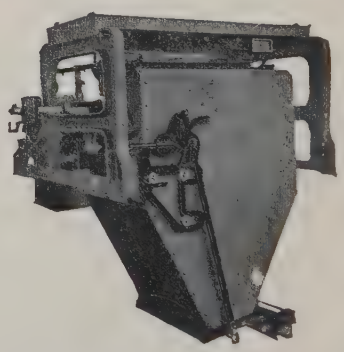
GET ITS REFERENCES!

AVERY SCALE CO.

NORTH MILWAUKEE, WIS.

PONDER THESE FACTS

Before Buying Your Automatic Scale



We have had 25 YEARS' experience—not making ordinary scales, but successful AUTOMATIC Scales.

We are specialists — not experimentalists.

We have the advantage of the first experts in the art on our engineering staff.

We have more scales in successful operation than all others.

We have the largest factories and best facilities for the manufacture of automatic scales exclusively in the world excepting NONE.

Because the demand for our scales is greater than all others we manufacture in greater quantities and are enabled to sell cheaper in respect to value given than other scale manufacturers.

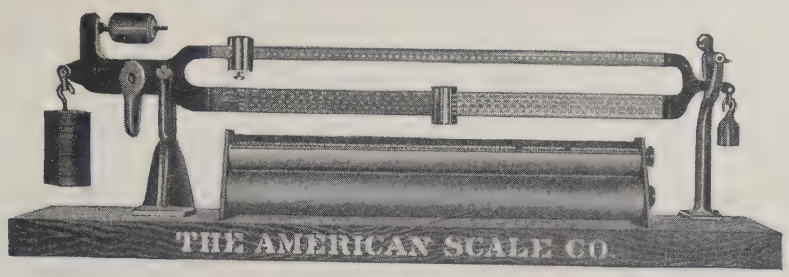
Our scales embody the latest improvements of the industry and these are protected to us by the strongest patents, to-wit: attachments to weigh all foreign matter in grain without interference, to prevent accidental and intentional discharge of scale without registration, to ensure accurate adjustment for differing grains, to make proof against rust of working parts, etc.

If you want what is by all accounts THE BEST, specify the RICHARDSON.

RICHARDSON SCALE COMPANY

6 PARK ROW, NEW YORK

122 MONROE STREET, CHICAGO **415 THIRD STREET, SOUTH, MINNEAPOLIS**

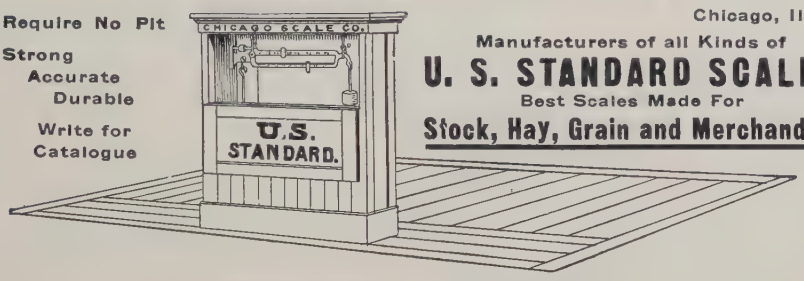


This Computing Beam and Grain Calculator gives you the correct number of bushels and pounds of grain and the exact amount in dollars and cents of any load.
Saves time and errors. Send for catalogue.
We manufacture a full line of **Wagon, Wheelport** and **Warehouse Scales.**

AMERICAN SCALE COMPANY, 2130 Wyandotte St., Kansas City, Mo.

CHICAGO SCALE COMPANY 1021 Jackson Boulevard
Chicago, Ills.

Require No Pit
Strong
Accurate
Durable
Write for Catalogue



Manufacturers of all Kinds of
U. S. STANDARD SCALES
Best Scales Made For
Stock, Hay, Grain and Merchandise

Official Scale at all Fat Stock Shows
Highest Premiums Awarded at all Expositions
Only Scales Made Arranged to Hang in SOLID STEEL FRAMES

Perforated Sheet Metal

We have a first class up-to-date plant for the manufacture of perforated metal, and can fill orders promptly. Our prices are right, and we furnish goods which we guarantee to be the best. A screen that lays flat and fits the frame not only does better work but increases capacity. We know how to make them. Prompt shipment is our rule.

The Strong-Scott Mfg. Co.
Minneapolis, Minn.

Northwestern Agents for
Richardson Automatic Scales
Invincible Cleaners
Knickerbocker Dust Collectors

Auditors, Bookkeepers

and other accountants who check over Grain Accounts will find Clark's Decimal Grain Values an invaluable assistant. By its use the labor will be reduced to a minimum, errors will be prevented and time saved.

Write for Descriptive Circular

Grain Dealers Co.
255 LA SALLE ST.
CHICAGO, ILL.

"The per cent of loss saved by the '1905' over the old 'Cyclone' is from 71½% to 80%. These losses are due to dust collector friction and take into consideration nothing but the Collector."—*The Mechanical Engineering Dept., University of Michigan.*

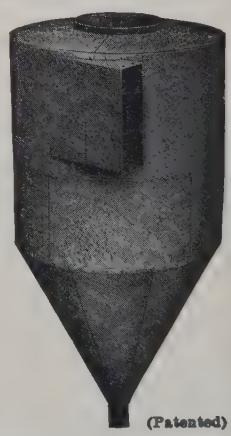


THE
"New Cyclone 1905"

Manufactured Exclusively by
The Knickerbocker Co.
JACKSON, MICH.

CYCLONE BLOW PIPE CO.
IMPROVED

Cyclone Dust Collectors, Automatic Furnace Feeders, Steel Plate Exhaust Fans, Exhaust and Blow Piping.



Complete systems designed, manufactured, installed and guaranteed. Old systems remodeled on modern lines on most economical plans. Supplementary systems added where present systems are outgrown. Defective systems corrected and put in proper working order.

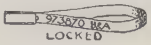
High and Low Speed Systems.

541-553
West Jackson Boul.
CHICAGO, ILL.

(Patented)

Why not
put
your announcement
here.

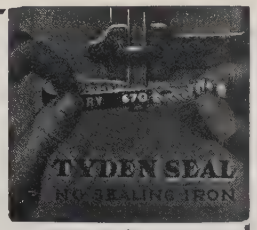
SNAP IT ON—Requires no sealing iron or other tools; simple, yet effective.



We number as desired.
Order now for your season's supply.
AUTOMATIC SEAL CO., DETROIT, MICH.

BELTING, PULLEYS, HANGERS, SHAFTING and SUPPLIES
GAS AND GASOLINE ENGINES
SEND FOR PRICES
THE OSBORNE & SEXTON MACHINERY CO., Columbus, Ohio

Establish



the fact that your cars were sealed at point of origin with a seal that cannot be duplicated. It protects you against loss. Use the Tyden Self-Locking Car Seal, bearing your name, and consecutively numbered. The record is easy to keep. Adopted by U. S. Government for inspectors. Price, $3.50 per 1,000. Samples free.

INTERNATIONAL SEAL & LOCK CO.
Chas. J. Webb, Gen'l Sales Agent,
617 Railway Exchange Building, CHICAGO, ILL.

Milwaukee Bags

Our "Aurora A" is a full size 2 bu. 16 oz. cotton seamless sack—strong and durable and we are selling at prices which will interest you. We carry all sizes of Jute Grain Bags—write for prices. Why not use "Jute Twine for tying?

Milwaukee Bag Co., Milwaukee, Wis.

ASK THE PEOPLE WHO HAVE USED THEM

If you contemplate buying a car loader and doubt our ability to make good any of the many claims we make as to the merits of ours, tell us what it is and we will refer you to people who have used these loaders all the way from one to nine years and know what the machines will do.

Ask for the names of as many as you will write to and we will furnish them. The experience of others is a good guide, but you don't have to depend on that as you can get one on approval, and if you are not satisfied with it in every respect you may return it at our expense. But we don't think you will want to let it leave your house, for not a loader shipped by us during the last 22 months has been returned and there was nothing to prevent any one from sending his back had he wanted to do so.



We have them in five sizes, so when you write us please say how many bushels per minute you wish to load.

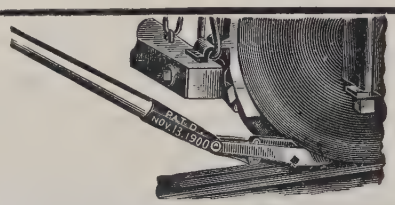
MAROA MANUFACTURING CO., DEPT. 3. MAROA, ILL.

You may need some special equipment for handling this

Big Corn Crop

We have it, also all kinds of Elevator Machinery and Supplies. Write us about your requirements.

Grain Dealers Supply Co.
CLAUS, BLAND & CO., Proprietors
305 So. 3rd St., Minneapolis, Minn.



THE ATLAS CAR-MOVER
Manufactured exclusively by
The Appleton Car-Mover Co.
Appleton, Wis., U. S. A.
is decidedly the best and most powerful Car-Mover on the market, and supersedes all others wherever introduced. Try an "ATLAS." It will pay for itself in a few hours' use.

R



Live weevil plus a little Fuma equals dead ones every time.

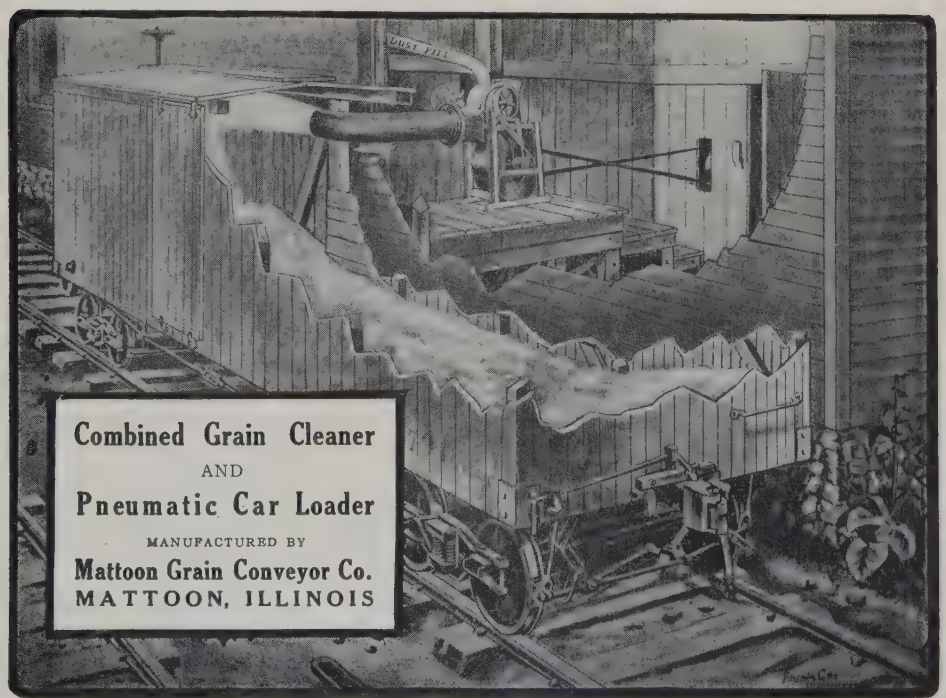
Fumigate Your Elevators and Mills With

FUMA

The only satisfactory method of treating grain in the bin; kills all insects, weevil, moths, etc.

10c per lb. in 50 lb. and 100 lb. drums.
Send for printed matter.

EDWARD R. TAYLOR
Manufacturing Chemist Penn Yan, N. Y.



Combined Grain Cleaner
AND
Pneumatic Car Loader
MANUFACTURED BY
Mattoon Grain Conveyor Co.
MATTOON, ILLINOIS

COMBINED
Grain Cleaner and Pneumatic
CAR LOADER

The ONLY Machine That Will Clean and Load at the Same Time.

The ONLY Car Loader That Will Not Damage the Grain.

The ONLY Car Loader With Automatic Loading Spout Which Insures Even Distribution of Grain in All Parts of the Car.

For Descriptive Circular and Prices, Address

Mattoon Grain Conveyor Co.
Mattoon, Ill.

ALL OF THE GALVANIZED CORRUGATED

Steel Siding, Roofing, Fireproof Window Frames and Sashes

of the Boston & Albany Elevator at Boston, fully illustrated and described elsewhere in this number of the Grain Dealers Journal, were furnished by

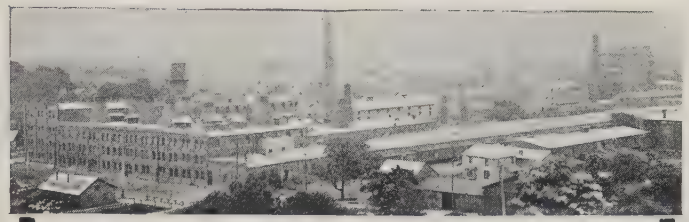
SYKES Steel Roofing Company

of CHICAGO, ILL.

Sheet Metal Contractors and Makers of Fireproof Windows

Write them if you are in the market now or if you expect to be in the future. Contracts taken anywhere in the United States.

PHONE CANAL 810



J-M Asbestos Roofing
On These Buildings Over 20 Years

Illustration shows plant of the Robinson Clay Products Co., Akron, Ohio, which was covered with J-M Asbestos Roofing over twenty years ago. Although this roofing has had to withstand the deadly gases used in manufacturing clay products in addition to the elements to which all roofings are subjected, it is in perfect condition today.

J-M Asbestos Roofing is not in the least affected by gases, chemical fumes, fire, salt air, heat or cold. It is practically indestructible because made of sheets of indestructible asbestos—a rock quarried like slate or granite—firmly cemented together with J-M Trinidad Lake Asphalt, the mineral which has withstood the severe duties of street paving for more that thirty years.

J-M Asbestos Roofing is the cheapest-per-year roofing on the market, because it outwears several ordinary roofings and never has to be painted.

Write nearest brauch for Sample and our handsomely illustrated Catalog No. 303

H. W. JOHNS-MANVILLE CO.

Manufacturers of Asbestos and Magnesia Products, ASBESTOS Asbestos Roofing, Packings, Electrical Supplies, Etc.

Baltimore Boston Buffalo Chicago Cleveland Dallas Detroit Kansas City London Los Angeles Milwaukee Minneapolis New Orleans New York Philadelphia Pittsburg San Francisco Seattle St. Louis

1247

EDISON

BSCO

PRIMARY BATTERIES

will give you better service than any batteries you have ever used, no matter what your requirements are —and at a far lower maintenance cost. Write today for our book giving full details of construction and showing why they are superior to all other batteries.

EDISON MANUFACTURING COMPANY

49 Lakeside Avenue, Orange, N. J.

A
"WIRELESS"
on
"RUBBER BELTING"
is of
Extreme Interest
to all
Rubber Belt Users

☛FREE UPON REQUEST

W. H. SALISBURY & CO., Inc.

"PIONEER RUBBER HOUSE OF THE WEST"

EST. 1855

CHICAGO ILLINOIS

17,825 Feet

(3.375 MILES)

Rubber Elevator Belting

went into the

1,000,000 Bushel

BOSTON & ALBANY
ELEVATOR

AT BOSTON, illustrated and described in this number.

756 feet - 14-Inch Belting
6,617 feet - 22-Inch Belting
150 feet - 24-Inch Belting
10,302 feet - 36-Inch Belting

Who Made It? WE DID! Who Did?

The Gutta Percha & Rubber Mfg. Co.

224 and 226 Randolph Street

CHICAGO, ILL.

Samples and prices of Rubber Belting on application. Catalogue.

"Wanted" and "For Sale"

The rate for advertisements in this department is 15 cents per type line each insertion

MACHINES FOR SALE.

ONE NEW KING CAR LOADER for sale cheap. Harry E. Surface, Granville, Ill.

ONE NO. 2½ EUREKA wheat scourer and one No. 2 Marseilles corn sheller for sale. In good condition. Address Box 614, Monticello, Ind.

FOR SALE CHEAP, one Hess wire cloth spout for cooling and cleaning corn, practically new, size 12x24x20. Address The Goemann Grain Co., Mansfield, Ohio.

TWO EUREKA SCOURING MACHINES for sale. Run 20 to 30 bus. per hour. Louisville Mill & Elev. Co., Louisville, Ohio.

ONE 25 H. P. GENERAL ELECTRIC motor for sale. 20 kilowat; good as new. Will sell cheap. Address E. L. Donner, Malvern, Iowa.

FOR SALE—2 16 h. p. Lambert gas and gasoline engines. 1 No. 0 Barnard & Leas sheller and cleaner combined, 74 ft. elevator belt with 5x8 buckets. All as good as new. The Mull Grain Co., Manilla, Ind.

COMPLETE 60 TO 80 BBL. MILL outfit, including all elevator and conveyors, 3 double 9x24, 2 double 9x30, 5 double 6x18 and 4 double 6x20 roller mills. A large number of purifiers, sieve bolters and reels. 4 flour packers and 1 brand packer; 3 pair high 9x18 Noye roller mill; 3 pair high 9x12 Smith. Thos. McFeely, 232 Bourse Bldg., Philadelphia, Pa.

ALL THE MACHINERY from the large Hyde elevator at La Crosse for sale, consisting of belts, grain cleaning machine, dust collectors, fans, 9 hopper scales with hoppers, seven elevators with belts, cups, boots and tank complete, pulleys, shafting, friction clutches, new cups, boxes, engine room machinery and many other items all at a bargain. La Crosse Wrecking Co., La Crosse, Wis.

SECOND HAND FOR SALE—Attrition mills: 3-24" Cogswell's; 1-24" Monarch; 1-20" Unique; 2-24" Foos; 1-19" Foos; 3 pair high roller mills; 2-9"x18" Noye, gear drive; 1-9"x15" Case; 1-7"x18" 3 pair high Alfree, belt drive; 1-7"x15" Alfree, 2 high roller mill. Separators: 1 No. 1½ Barnard & Leas milling, 1 No. 31 Barnard & Leas Receiving; 1 No. 258 Eureka Magnetic, 25 bu. cap.; 1 No. 256 Monarch Magnetic, 50 bu. cap.; 1 No. 0 Howes Magnetic, 35 bu. cap. Dust collectors: 1 No. 3 P, 1 No. 4 A, 1 No. 2-B Wilson Tubular, 1 No. 2 Monarch. Address Sprout, Waldron & Co., P. O. Box 260, Muncy, Pa.

SECOND HAND MACHINERY.—We offer the following **Rebuilt Machinery** at greatly reduced prices (subject to prior sale):

1 No. 4 Richmond Milling Separator, capacity 125 to 150 bus. per hour.
1 No. 5 Monitor Milling Separator, capacity 100 bus. per hour.
2 No. 8 Eureka Warehouse Elevator Separators, capacity 1,000 bus. per hour.
3 No. 4 Barnard & Leas Elevator Separators, capacity 750 bus. per hour.
Roller Mills, 9x30 Stevens single; 9x18, 9x24 and 9x30 Allis, Stevens, Barnard & Leas Nordyke & Marmon and Case double.
Attrition Mills, 19 inch and 24 inch Foos, 24 inch Monarch, 30 inch American, 24 inch Cogswell.
Corn Crushers, Nos. 7 and 12 Sullivan; No. 7 Bowsher; No. 1 Foos.
Elevator Belts—A big lot with buckets attached of various lengths and sizes.
Pulleys—A big lot, both wood and iron, from 3 inch to 10 foot diameter.
Write for Catalog No. 66 G.
B. F. Gump Co., Mill and Elevator Machinery, 431 S. Clinton St., Chicago.

MACHINES FOR SALE.

FOR SALE—1 40-in. Sampson water wheel and gearing; 1 Allfree bran duster; 1 pair 30-in. middling stones and equipments. Box 197, Knightstown, Ind.

MACHINES WANTED.

ELEVATOR MACHINERY WANTED for exchange of land. Write what you have with price. Address Ark., Box 7, Grain Dealers Journal, Chicago, Ill.

SCALES FOR SALE.

SCALES for elevators and mills, lowest price. Chicago Scale Co., Chicago.

MODERN RAILROAD TRACK SCALE in first class condition for sale. Geo. C. Bagley Elev. Co., Minneapolis, Minn.

SCALES of all kinds repaired, rebuilt, tested and sealed. Elevator and mill scales our specialty. All work guaranteed. Address Young Bros., 1 Bridge St., Toledo, O

FOR SALE—A good 38 ft. Fairbanks R. R. scale, weighing 120,000 lbs. In good condition. Price to suit purchaser. Owing to change in R. R. grade required a change to automatic scales. Teegardin & Taylor, Ashville, Ohio.

SCALES FOR SALE.

500 bu. Howe hopper scale	$100.00
500 bu. Fairbanks hopper scale	100.00
300 bu. Fairbanks hopper scale	75.00
100 bu. Fairbanks hopper scale	50.00
60 bu. Fairbanks hopper scale	40.00
6 ton Fairbanks wagon 22x8 c beam	100.00

Refitted and guaranteed. Omaha Scale Co., 925 Douglas St., Omaha, Nebr.

GASOLINE ENGINES.

ONE 25 H.P. GASOLINE engine for sale. In good condition. Columbus make. Cheap. C. H. Wade, Paris, Ill.

GET OUR BIG LIST of slightly used gasoline engines and our prices. They will interest you. Gas Power Engineering Co., Milwaukee, Wis.

1 12-H.P. GASOLINE ENGINE for sale. In good condition. Will sell cheap. Address F. D. C., Box 5, Grain Dealers Journal, Chicago, Ill.

17 H.P. GAS OR GASOLINE engine for sale. Fairbanks make, self starter. Michigan City Paper Box Co., Michigan City, Ind.

40 H. P. WITTE GAS or gasoline engine for sale. Run 8 months. Good as new, $500, f. o. b. cars Elgin complete. H. Vanderheiden, Elgin, Nebr.

40 H. P. FAIRBANKS-MORSE throttle governor engine for sale. Used less than 60 days; perfect condition; $1,000. Terms. Address Sam, Box 8, Grain Dealers Journal, Chicago, Ill.

FOR SALE—One 5 h. p. Termaat & Monahan gasoline engine, one 15 h. p. Nash vertical, one 50 h. p. Miller, improved. Gregory Electric Co., 16th & Lincoln Sts., Chicago.

GASOLINE ENGINES FOR SALE.

44 H.P. Fairbanks-Morse.
25 H.P. Columbus.
25 H. P. Fairbanks-Morse.
22 H.P. Fairbanks-Morse.
15 H.P. Fairbanks-Morse.
12 H.P. Fairbanks-Morse.
6 H.P. Fairbanks-Morse.
4 H.P. Fairbanks-Morse.

Also fifty engines of varied sizes and all makes. Address A. H. McDonald, 547 W. Monroe St., Chicago, Ill.

STEAM ENGINES—BOILERS

ONE 25 H. P. THROTTLING governor steam engine for sale. Good condition. Address Box 614, Monticello, Ind.

FOR SALE—25 h. p. horizontal tubular steam boiler, completely equipped and in first class condition. Findlay Grain Co., Findlay, Ill.

1 40-H.P. BASS MARINE BOILER for sale. In good condition and only slightly used. Address C. F. D., Box 5, Grain Dealers Journal, Chicago, Ill.

FOR SALE CHEAP 24 h.p. Atlas steam engine and boiler equipment complete; good as new. No. 1 Western Gyrating cleaner; large size Boss car loader. L. F. Webb Grain Co., Weldon, Ill.

A 20 H. P. STEAM ENGINE and 25 H. P. boiler with 40 ft. of smoke stack. Chandler & Taylor Co. make. This engine has been run under careful conditions and is as good as new. Bryce Farmers Grain Co., P. O. Milford, Ill.

FOR SALE—One second hand 35 h.p. tubular boiler, containing 28 3½ in. tubes, shell of boiler extending to form smoke box, full flush fire front with six doors, two ash doors, two firing doors, two smoke box doors, fire grates, plates and rollers, four supports riveted on side of boilers, four binding bars and rods, all complete except connections. Same can be seen at our elevator in Middle Point, O. Will be sold cheap, for we have no more use for it. Price $150 at Middle Point, O. The Pollock Grain Co.

POWER EQUIPMENT FOR SALE. A great opportunity for the party that wants a good engine and boilers at a way down price. See the Monitor Drill Company, St. Louis Park, Minn., who will sell the following on account of installing a larger plant and needing the room: One 16x36 Atlas Corliss engine, fly wheel 11 ft. 6 in. diameter, 22 in. face; two 16 ft. x 60 in. Atlas engine works tubular boilers; 52 4 in. flues; (these boilers are good for 60 lbs. working pressure); one Webster Star vacuum feed water heater. Purifier and filter, right hand 150; this apparatus is all in first-class working order.

REBUILT ENGINES AND BOILERS. ENGINES—CORLISS: 20x48 Wheelock, 18x36 Ohio Heavy Duty, 14x42 Hamilton, 14x36 Vilter, 12x36 Allis, etc.

ENGINES — AUTOMATIC: 15x14 Erie, 14¼x16 Buckeye, 11x16x12 Buffalo Compound, 13½x15 Taylor, 13x16 Erie, 13x14 Harrisburg-Ideal, 13x12 Phoenix, 12x14 Green, 12x12 Armington & Sims, 11x16 Atlas, 10¼x14 Buckeye, 10x14 Noyes, 9x12 Russell, 7x10 Atlas, etc.

ENGINES—THROTTLING: 16x22 H. S. & G., 14x18 Sinker-Davis, 14x14 Lewis Vertical, 12x16 Reed, 12x14 Gibbs, 12x12 Wells, 10x16 Bass, 10x12 Oil Well, 9x12 Ball, 9x10 Reed, 8¼x12 Leffel, 7x10 O. & S., 6x8 Industrial, etc.

BOILERS — STATIONARY: 72x18 high pressure, 72x18 standard, 72x16, 66x16, 60x16, 60x14, 54x16, 54x14, 48x14, 44x14, 44x12, 42x12, 36x16, 36x12, etc.

BOILERS—FIRE BOX: 100, 80, 60, 50, 40, 35, 30, 25, 20, 16, 12, 10 and 8 h.p., etc.

BOILERS—VERTICAL: 50, 40, 35, 30, 25, 20, 16, 12, 10, 8, 5 and 3 h.p., etc.

HEATERS: All sizes, open and closed.

PUMPS: All sizes, single and duplex.

MISCELLANEOUS: Saw mills, lath mills, edgers, cut-off saws, re-saws, blowers, exhaust fans, tanks, etc. Write for list. Also full assortment of new machinery. Sole manufacturers of the celebrated "Leader" Injectors and Jet Pumps. Send for circular. The Randle Machinery Co., 1748 Powers St., Cincinnati, Ohio.

ELEVATORS FOR SALE.

ELEVATOR AT BENTON, KANSAS, for sale. Just completed. Only elevator in town. Address G. G. Wiechen, Gardenplain, Kansas.

CENTRAL INDIANA. For sale new modern up to date 10 M bus. elevator in excellent grain territory in Cen. Ind. Not selling for want of business. Coal business a side line. Address O. R. D., Box 3, Grain Dealers Journal, Chicago, Ill.

SOUTH OKLA. Wanted to sell 4—70 saw gin and 25,000 bu. elevator, combined or separately; all or half interest; located in one of finest sections of South. Okla. Terms liberal. Address X. Y. Z., Box 11, Grain Dealers Journal, Chicago, Ill.

NORTHEASTERN KANSAS. For sale, two elevators in one town in Northeastern Kans. No competitor. Best proposition in the state. Want to retire. Price for both houses, $15,000. Address S. T. R., Box 1, Grain Dealers Journal, Chicago, Ill.

NORTHEASTERN INDIANA. For sale. Line of 5 elevators ranging in size from 10 to 20 M. bus. capacity and located in thriving towns in Northeastern Ind. Will sell together or separately. Address D. F. C., Box 5, Grain Dealers Journal, Chicago, Ill.

ELEVATOR IN NORTHERN IOWA doing good business, no competition. Past results will show property will pay a high rate of interest on the investment. Cash trade only. Address Iowa, Box 5, Grain Dealers Journal, Chicago.

$6,250 WILL BUY a 12,000 bu. cribbed elevator. Buy at two other stations with scales at each station. Best grain point in Southwestern Iowa. Also good retail feed trade in connection. On Burlington R. R. For further particulars address L. E. D., Box 7, Grain Dealers Journal, Chicago, Ill.

CENTRAL ILLINOIS. For sale, 15,000 bu. elevator on Wabash R. R. in Cent. Ill. in good corn, oats and wheat belt; good black tilled soil, good crops. Offer cheap; good reason for selling. This is a bargain. Address D. O. N., Box 3, Grain Dealers Journal, Chicago, Ill.

WISCONSIN. For sale at a bargain, elevator and warehouse located in one of the best towns in Northern Wis. Finest hay, grain and potato section in the state. Capacity 70,000 bu. grain, 50,000 bu. potatoes, 600 tons of hay. Feed mill in connection. For further particulars address Farmers' Produce Co., Chippewa Falls, Wis.

SOUTHWESTERN MINNESOTA. Line of elevators in Southwestern Minn. for sale. Doing a good business. Local and crop conditions never better; houses in good repair, equipped with all modern machinery. Full particluars on application. Address Minn., Box 4, Grain Dealers Journal, Chicago, Ill.

ILLINOIS. Two new modern elevators in corn belt of Ill., each 30,000 bu. capacity, do a business of 400,000 to 500,000 bu. yearly, on good margins, organized territory, no competition at either point. Do a nice implement business at both points. Good reason for selling; price $25,000; make terms to suit; will sell either or both or half interest to right party. Further particulars address Rex., Box 10, Grain Dealers Journal Chicago, Ill.

OKLAHOMA. For sale 25,000 bu. elevator. Built two years ago and in good repair. Machinery all up to date; a Foos gas engine 22 h.p., gas 20c per thousand; cheapest fuel on earth. 150,000 bu. of corn will be shipped from here this season, besides about 20 cars of oats. This is a bargain. No competition; only elevator in town. Best location in Okla. Reason for selling is old age and poor health. Price $6,000; terms to suit purchaser. Address W. L. Harris, Inola, Okla.

ELEVATORS FOR SALE.

TWO ELEVATORS OF 25,000 and 12,000 bus. capacity for sale. Doing good business, good territory. Address Pearson & Hayton, Marshall, Okla.

15,000 BU. CRIBBED ELEVATOR on the Rock Island, 40 miles from Omaha in the corn belt of Iowa. A money maker. Address Omaha, Box 4, Grain Dealers Journal, Chicago.

GOOD ELEVATOR IN NORTHERN IOWA for sale. Handles a large amount of grain and coal and crop largest in ten years. Address Mac., Box 4, Grain Dealers Journal, Chicago, Ill.

NEW ILLINOIS ELEVATOR of 15,000 bu. capacity for sale. Only house at station. Ships 80,000 to 100,000 bu. per year. Can engage in coal or lumber without competition. Extra bargain. Address S. A. B., Box 1, care Grain Dealers Journal, Chicago.

OHIO. Elevator far sale in N. W. Ohio. 10,000 capacity. Big corn crop ready to handle. Located on two railroads; never any car famine here. No scoopers and grain always handled at a good profit. A great bargain. Write us today. Tri-State Elevator Co., Hicksville, O.

CAVALIER CO., N. DAK. A good 35,000 bu. capacity elevator for sale in Cavalier Co., N. D. House in good repair and first class in every respect. Crops good; will make terms. Must sell on account of wife's health. Address A. P. R., Box 4, Grain Dealers Journal, Chicago.

ELEVATOR AND FLOUR MILL for sale. A proposition very seldom in the market. Situated in one of the best towns in northwestern Ohio. One of the best paying institutions in the state. A bargain of real merit. Open for inspection. Manns & Bower, 507 Gardner Bldg., Toledo, Ohio.

SOUTHERN INDIANA. 30,000 bus. ear corn steam elevator on Southern & Big 4 R. R. 300,000 bus. Wabash River corn tributary. Only elevator at station; splendid crop this year. Will sell at half cost. Owner non-resident. Address Ind., Box 5, Grain Dealers Journal, Chicago.

ELEVATOR FOR SALE. 40,000 house in terminal market, with four story working house and sacked warehouse adjoining. Exceptional opportunity for a mixing and feed business. Cheap power, good location. Address E. K. E., Box 6, Grain Dealers Journal, Chicago, Ill.

ELEVATOR FOR SALE. Capacity 15,000 grain and 12,000 ear corn. 6 h.p. new gasoline engine. Small town, no competition; good opening for coal and lumber. Handled 25,000 bu. in Aug. Lot of old corn and bumper crop of new. Cheap at $3,000. Address F. & T., Box 6, Grain Dealers Journal, Chicago, Ill.

TEXAS ELEVATOR FOR SALE. Capacity in bins 20,000 bu. Warehouse storage, 10 cars, hay storage, 20 cars; ear corn crib, 2,000 bus.; cotton seed warehouse, 2,000 bu.; 1,000 tons coal storage. Equipped with all machinery. Can handle with least expense 5 cars in and out daily. Town 8,000 and good grain point. One block from Santa Fe R. R. Address Texas, Box 5, Grain Dealers Journal, Chicago.

20,000 BU. ELEVATOR for sale on main line C. & A. Handles 100,000 to 150,000 bu. wheat and 75,000 to 100,000 bu. corn annually. Equipped with 22 h.p. Foos gas engine, Fairbanks wagon and scales. House and machinery new. Two story warehouse, outside corn crib 3,500 bus. with portable dump. Buildings situated on own land, clear title. Side line of flour, feed and tile. Sales run from $1,000 to $1,500 per month. Plant cost $11,000; price $8,500. Reason for selling, poor health. Address C. R. A., Box 7, Grain Dealers Journal, Chicago.

ELEVATORS FOR SALE.

MICHIGAN. For sale, small elevator at Devil's Lake, Lenewee Co., Mich. A good location. Address Philip Horn, Monroeville, Ohio.

SOUTHERN NEBRASKA. For sale, one 40 M. elevavtor and live stock business on main line of Burlington in So. Nebr. Good crops. Price $8,000. Address Nebr., Box 7, Grain Dealers Journal, Chicago, Ill.

KANSAS. For sale 12,000 capacity elevator in east central Kans. on C. R. I. & P. 250 car station; two elevators; also residence. Price $10,000 cash. Address Elevator, Box 6, Grain Dealers Journal, Chicago, Ill.

WESTERN OHIO. For sale 15,000 bu. elevator and 75 bbl. flour mill combined with coal business. No competition. Well located in western Ohio. Inspection solicited. Price $7,500. E. C. Brungard, Big Springs, Ohio.

10,000 CAPACITY ELEVATOR for sale. In town of 4,000 people and good farming country. School and college town. Can do a nice coal business if so wish in connection with grain. Address Ill., Box 6, Grain Dealers Journal, Chicago, Ill.

KANSAS. For sale 6,000 bu. elevator in Jewell County, Kans. Only elevator in a town of about 700 population; one of the best countries on earth. Reason for selling, other business. Its a bargain, $2,500. Address L. B. L., Box 6, Grain Dealers Journal, Chicago, Ill.

FOR SALE — CONTROLLING INTEREST in Farmers elevator, located in one of the best grain points in the state of North Dakota. Good business and a big territory. Providing purchaser wants to run house, can name his own salary. No trades considered. For further particulars address Lock Drawer 636, Aberdeen, So. Dak.

CHAMOIS, MO., elevator for sale. Capacity 32 car loads. Ships about 135 cars of wheat per year and 40 of corn. No competition. Also handles feed, salt, coal and about three cars of flour per month. No mill here. Reason for selling, too old to run the business. Address Chamois, Box 7, Grain Dealers Journal, Chicago, Ill.

150 BBL. CANADIAN ELEVATOR and mill for sale. 250,000 bu. wheat. 5,500 sq. miles tributary territory. Lots of custom work; big market; cost upwards $45,000; much less will buy. Small cash payment, long time and low interest on balance. Town gives bonus and free taxes. This is a snap. Particulars, Geo. F. Mug, LaFayette, Ind.

WESTERN INDIANA ELEVATOR for sale. Good as new. Handles from 75 to 100 cars of grain a year. Also salt, cement and good coal business handling from 60 to 80 cars of coal yearly. Good feed grinder. No competition; in a good town of about 750 population and good farming country. Will sell right. For further information inquire of T. J. Connell, Milton, Ind.

OHIO ELEVATOR of 5,000 bu. cap. new 25 h.p. gasoline engine, feed grinder, Boss car loader, Monitor cleaner. Building has just been covered with steel. Good retail business with coal, flour, feed, salt, etc. Located on Penn. Ry. Excellent chance to handle live stock. Only dealers here. Price $3,000. Reason for selling have other business. Address W. O., Box 6, Grain Dealers Journal, Chicago, Ill.

NORTHWESTERN OHIO. For Sale—Grain elevator and warehouse, county seat town of 4,000, Northwestern Ohio, shipping 250,000 bus. grain annually; doing retail business of $36,000 per year. One of the best grain points in Ohio. Price reasonable, ⅓ cash, balance easy terms. Also for sale, 4 grain elevators in grain belt Northwestern Ohio, doing prosperous business; prices $4,000, $5,000, $6,000 and $9,000. One-third cash, balance easy terms. Address E. W. Newton, Ohio Building, Toledo, Ohio.

ELEVATORS FOR SALE.

ALFALFA MILL AND ELEVATOR for sale. Address Alfalfa Mill, Kingfisher, Okla.

EMERSON, IOWA. 30,000 bu. capacity cribbed elevator and ice plant for sale. Both doing a good business. No trades considered. Address J. W. Crawford, Emerson, Iowa.

OHIO. For sale 2 elevators, mill and coal yard. Handle 300 cars. No competition. Address O. H. I. Box 8, Grain Dealers Journal, Chicago, Ill.

NORTHWEST IOWA ELEVATOR for sale. Town of 1,000, good grain territory, big business. Reason for selling same, owner located in different territory. If interested in a money maker address S. A. L., Box 8, Grain Dealers Journal, Chicago.

MISSOURI. Elevator for sale in grain belt of Mo. on Wabash R. R. 90 miles east of Kansas City. Flour, feed and meal business in connection. No competition. Good business. Machinery all new. Price reasonable, terms easy. Poor health cause of selling. Address K. E. Y., Box 6, Grain Dealers Journal, Chicago, Ill.

$7,500 WILL BUY a 35 bu. elevator in Indiana, 60 miles out of Indianapolis, town of 1,800 inhabitants, two railroads. Will have an excellent corn crop; cement, coal, flour and feed business and six lots in connection. Station handles 275,000 bus. annually; only one competitor. Good reason for selling. Will give possession at once. For further particulars address J. L. H. Box 8, Grain Dealers Journal, Chicago.

SOUTHERN KANSAS. One of the best paying elevator propositions in So. Kans. 15,000 bu. capacity, house four years old. Never before on the market, built by present owners. 22 h.p. Davis engine; corn chop mill; 4,000 bus. corn crib; flour house store five cars; handle feed and coal. Good office and scales detached. Town of 2,000, two railroads. Competition practically none. Fine wheat and corn territory. Must have $5,000 cash, balance on terms. Will sell residence also. Owner wants to retire. No trades or agents. Address S. O. N., Box 7, Grain Dealers Journal, Chicago, Ill.

WESTERN MISSOURI. For sale, two fine elevators in best corn section of Mo., located eight miles apart. Each has crib capacity of 15,000 bu. ear corn and 8 to 10 M. small grain. Both elevators equipped with Western shellers and cleaners, feed mills and hopper scales. Both steam plants. Good feed and live stock business in connection with both plants. Best corn crop in years and good wheat crop only partly moved. Three years ago, for a period of four months, each plant cleared over $3,000 each. These are money making propositions and if rightly handled will pay 35% on investment each year. Reason for selling other business interests. Address Missouri, Box 7, Grain Dealers Journal, Chicago.

CINCINNATI, OHIO. The Interstate Grain Company elevator and hay warehouse situated on the C., H. & D. Railroad, having a track frontage of about 900 feet; construction and equipment of both elevator and warehouse are most modern; dimensions of warehouse 250 by 56 feet, with a storage capacity of 90 cars of hay. Capacity of tracks 42 cars. 96,000 lb. Fairbanks-Morse hopper scale, 3 unloading pits, 3 loading out spouts, Richardson automatic sacking scale. Silver Creek combination warehouse cleaner, Skillam & Richards car puller of 15 cars capacity. Storage capacity of bulk grain 45,000 bushels. All machinery operated by electric power with direct communication to each machine. Warehouse erected in 1906, elevator in 1909; 9 acres of land. As this company is now in the hands of a trustee and winding up its business, the opportunity presents itself of purchasing one of the most modern plants of its kind at a bargain price. Theodore Mayer & Bro., First National Bank Bldg., Cincinnati, Ohio.

ELEVATORS FOR SALE.

SMALL ELEVATOR, coal and cement block business for sale. Buildings new and complete; 35 h. p. gasoline engine, 5 stands of elevators, meal and feed mills. Location splendid. Price right. Full particulars upon application. Address W. H. Allenbaugh, Greenup, Ill.

MODERN ELEVATOR, FLOUR AND feed mill for sale. 200 bbls. daily capacity. Fine grain country, no competition. Also line of elevators, earning good profits, but must sell together or separately. Address S. T. U. V. Box 8, Grain Dealers Journal, Chicago, Ill.

ILLINOIS. For sale 30,000 bu. modern elevator on own ground, Q. railway. One of the best corn, wheat and oats stations in Western Ill. Over 200 cars yearly. Small dwelling goes with it. Satisfactory terms. Price at sacrifice. No agents. Address C. L. E., Box 8, Grain Dealers Journal, Chicago, Ill.

SOUTH DAKOTA. 25 M. bu. capacity cribbed and modern throughout elevator, in best wheat belt in So. Dak. for sale. $5,500 takes it, best location in town; only four other elevators, best of competition, large territory. Write to undersigned if interested only. Rush, I am going to sell. Address Dak. Box 8, Grain Dealers Journal, Chicago, Ill.

CENTRAL ILLINOIS elevator for sale. On B. & O. S. W. R. R. Ship about 125 cars of grain, 75 cars of hay and handle about 40 cars of coal per year. Capacity 25,000 bus., outside ear corn crib 10,000 bus., 25 h. p. gasoline engine, Western corn sheller and cleaner. Price $6,500. Address H. E., Box 7, Grain Dealers Journal, Chicago, Ill.

KANSAS. For quick sale 10,000 bu. capacity grain elevator. Two large cement dumps, ear corn or threshed grain, fine sheller, cleaners, grinder, gas engine and everything necessary for successful handling of all kinds of grain; gravity lead to sheller. Is doing heavy business and in excellent condition. Owner did more than $160,000 worth of business last year and cleared more than $5,000 net. Best location in Kansas, being in Sumner Co. Best grain section in the west. Price $6,500 cash for quick sale. Could give terms on part. Address F. L. D., Box 7, Grain Dealers Journal, Chicago.

CENTRAL ILLINOIS. For sale 20,000 bu. cribbed house in good state of preservation, doing a fine paying business, located in Cen. Ill. in the best corn and oat country in the world. Town thrifty with 800 inhabitants. Two other elevators in the town and good white competition. Station averages over 600,000 bu. annual shipments for several years and this elevator getting its proportion of same. Will ship considerable more this year. Everything in good shape and running O. K. Will sell at a sacrifice on account of other interests elsewhere demanding immediate attention. No trade will be considered and $5,000 will take the property if taken before compelled to make arrangements to continue operating same. Quick action must be taken. Address G. A. T. Box 8, Grain Dealers Journal, Chicago, Ill.

OHIO. For sale, 15,000 capacity nearly new elevator in Northwestern Ohio. Feed grinder, gasoline engine, wheat and seed cleaner, corn shellers, coal bins, etc.; takes in 100,000 bu. per year; took in in July, Aug. and Sept. this year 45,000 bu. oats and wheat. Price $6,000 if taken quick, $1,500 down, balance easy payments; will rent for $800 to right party with privilege buying end of 8 months, rent to apply on purchase price or will enter into joint account with right party who has capital enough to handle coal, flour, feed, besides buying hay, wheat, corn, oats, etc. Party must move there and look after business himself. Party to furnish capital against elevator. This is a nice town, 3 banks, good schools and churches; population 1,000. Address B. A. K. Box 8, Grain Dealers Journal, Chicago, Ill.

ELEVATORS WANTED.

ELEVATOR WANTED in good wheat country. North Dakota preferred. Address Thos. Box 8, Grain Dealers Journal, Chicago.

ELEVATOR WANTED in exchange for good improved farm. Give full description and price. Address Inde, Box 6, Grain Dealers Journal, Chicago.

WILL BUY an elevator or two in Indiana or Ohio in good grain country handling 100,000 bu. each or more. Give full particulars. Address W. W. Box 8, Grain Dealers Journal, Chicago, Ill.

IF YOU WANT TO BUY an elevator make it known to the grain elevator men of the country by advertising in the "Elevators Wanted" column of the Grain Dealers Journal, Chicago, Ill.

WANT TO BUY ELEVATOR or elevator and lumber yard, town of 500 or more. Must show good business, fair profits and price reasonable. Will make quick deal on good proposition. Give full description and actual shipments for 3 years. Perry Frazier, Du Bois. Nebr.

TO EXCHANGE my equity of $8,000 in a ½ section No. Dak. land for a No. 1 up to date elevator doing a good business. Handle not less than 150,000 bu. a year; must have good schools and a live town. Land is within 20 miles of a city of 14,000 and within 2½ miles from R. R. and elevator. Good land, every foot can be plowed. Don't answer unless you have something worth having. Lock Box 794, Osage, Iowa.

ELEVATOR BROKERS.

JOHN A. RICE, Frankfort, Ind. Exclusive elevator broker. Commissions only. Always have the very best offered, all prices, over 600 listed. Reliable and profitable service to both sellers and buyers without exception.

ILLINOIS. I have some good elevators at reasonable prices for sale. Also several good improved farms in Ford county, Ill., from $130 to $150 per acre. Address A. R., Box 5, Grain Dealers Journal, Chicago, Ill.

FOR SALE. Bargain in elevators in Indiana, Illinois, Iowa, Kansas, Oklahoma and other states. Write for descriptions stating location preferred. Iowa Mill & Elevator Brokers, Independence, Iowa

J. D. CHANCELLOR, FOWLER, IND. I have a fine line of elevators for sale at prices that are right. Have some good bargains in Benton Co., Ind., the best corn and oats county in the state. I have one plant for sale that is handling ½ million bu. per year.

MILLS FOR SALE.

20-INCH STRONG-SCOTT 3 roller mill for sale. Rolls newly corrugated. Write us at once. L. J. & R. W. Jeter, Ashton, Ill.

CENTRAL MINNESOTA. A first class flour mill for sale. Plenty of No. 1 wheat at the door. Received 30,000 bu. more than could grind last season. Good custom trade. Good 20,000 bu. elevator in connection. Address 923 Chamber of Commerce, Minneapolis, Minn.

MILLS WANTED.

MILL WANTED to rent or run on shares. Want plenty of grist mill work and good feed trade. J. A. Bowman, Claverack, N. Y.

WANTED TO TRADE QUICK, full paid stock in well known incorporated flour and cereal mill company, with business in several states, for a small up to date mill. Give and get full description. T. G. White, Marion, Ia.

MISCELLANEOUS.

MILLS AND ELEVATORS INSTALLED. Repairing and remodeling a specialty. Rope transmission and supplies. D. M. Firestone, Wakarusa, Ind.

BUSINESS OPPORTUNITIES.

CASH BUYER is in the market for a good business. Give full particulars. Address G. D. J., Box 313, Cherry Valley, Ill.

IOWA. For sale grain and coal business Iowa. Might consider good clear land for part payment. Give full description. Address G. & C., Box 3, Grain Dealers Journal, Chicago, Ill.

WILL SELL FOR CASH profitable business in grain, coal and millfeeds. Good modern elevator and equipped with up to date machinery. For further particulars address K. S. C., Box 6, Grain Dealers Journal, Chicago, Ill.

NORTHERN ILLINOIS. Will sell for cash or part cash and part clear real estate, grain elevator, lumber shed, coal shed, grocery store and good residence at Alworth, on I. C. Correspond with Joseph Ball, care Carpenter & St. John, Winnebago National Bank Bldg., Rockford, Ill.

CASH FOR YOUR BUSINESS or real estate. I bring buyer and seller together. No matter where located, if you want to buy, sell or exchange any kind of business or property anywhere, address Frank P. Cleveland, 5951 Adams Express Building, Chicago, Ill.

NORTHEASTERN INDIANA. For sale or trade grain, seed, coal, tile, cement, wall plaster and retail feed business on Nickel Plate R. R. Plant includes 15,000 bu. capacity, gasoline power, good roomy warehouse in connection, located on switch. Good country and doing good business. Owner retiring on account of ill health. Address D. E. N., Box 6, Grain Dealers Journal, Chicago, Ill.

COAL AND FEED BUSINESS—Located in fine dairy section, on the L. S. & M. S. R. R. Grain elevator cribbed, cap. 20,000 bus. 60 h.p. gasoline engine, feed grinder, etc. Warehouse 25x98, with sidetrack to both elevator and warehouse. This plant is in A1 condition and will be sold cheap to quick buyer; best of reasons for selling. Also two small farms for sale at bargain prices. For full description and price address Miller Bros., Williamsfield, Ashtabula county, O.

HAY PRESSES FOR SALE.

AT HALF ITS VALUE, one Alligator full circle box hay press and straw press, 17x22 for sale or will exchange for a good lime grinder and pulverizer. H. C. Kyner, Shippensburg, Pa.

ROCK PHOSPHATE.

ROCK PHOSPHATE makes grain. Ask for crop chart. The Farmer's Phosphate Co., Urbana, Ill.

ELEVATOR SUPPLIES.

GRAIN TESTERS—Three sizes, one pint, one quart, and two quarts. Guaranteed correct, sent on trial. Write for prices. A. S. Garman Co., Akron, O.

AUTOMOBILE SUPPLIES.

AUTO TIRES, first quality cases, fresh stock. 28x3, $13.35, tube $3.50, 30x3, $14.35, tube $3.75, 30x3½, $20.70, tube $4.50, 32x3½, $21.75, tube $5.00, 34x3½, $23.75, tube $5.25, 30x4, $27.70, tube $5.75, 32x4, $30.70, tube $6.25, 34x4, $33.50, tube $6.75. Send 5% of amount of order and I ship, allowing examination. Send post office or express money order. All previous prices withdrawn. Wm. Vanderpool, Jamestown, Ohio.

BUILDING MATERIAL.

2 MILLION FT. 2x6, 2x8, 2x10 hemlock cribbing; all size timbers, boards and ready roofing. J. G. Ruel, 7337 Stoney Island Ave., Chicago.

FOR SALE CHEAP, 3 million ft. 2x6, 2x8 W. P. cribbing, long timbers, corrugated iron; also 21 Fairbanks-Morse scales. Ruel & Carr, Wreckers, Toledo & Wabash Elevator No. 5, Foot Courtland Ave., Toledo, Ohio.

INFORMATION.

WANTED ADDRESS of E. C. Clark, formerly of Holbrook, Nebr. Address H. O. L. Box 8, Grain Dealers Journal, Chicago.

READERS DESIRING to learn by whom, or where any grain handling machine or device is made can generally obtain it promptly by addressing Information Buro, Grain Dealers Journal, Chicago, Ill.

HELP WANTED.

WANTED AT ONCE—Sober married man. Must understand steam elevator and do all repair work. Steady work. Address R. O. S. Box 8, Grain Dealers Journal, Chicago, Ill.

EXPERIENCED HELP, such as managers for country stations, foremen, auditors and employes need in the grain business are readily secured thru an ad in the "Help Wanted" column of the Grain Dealers Journal, Chicago.

SITUATIONS WANTED.

MANAGER OF COUNTRY elevator wants position. Experienced and capable; married and can give references. Address E. L. Reed, Hallville, Ill.

WANTED, BY NOV. 20th, position with reliable firm as grain buyer or manager of elevator. 8 years experience. A No. 1 reference. Address C. V. Ferver, Colfax, Ind.

POSITION WANTED by young man with 7 yrs. experience in grain, hay, beans and seeds. Prefer out of Mich. territory with office or road work. References. Address N. T. Z., Box 8, Grain Dealers Journal, Chicago, Ill.

WANTED—POSITION by young man 25 years of age; 4 years' experience. Expert gasoline engine; good bookkeeper; best reference. Go anywhere. Address Ed, Box 4, Grain Dealers Journal, Chicago.

MANAGER OF ELEVATOR, either with a mill or a country station, wants position. Have had 25 years' experience and can give references. Address A. C. P., Box 3, Grain Dealers Journal, Chicago.

MANAGER of elevator and coal yard wants position. Experienced; age 42, married. Am the right man for the right place. Address A. E. L., Box 6, Grain Dealers Journal, Chicago, Ill.

WANTED SITUATION in elevator office. 25 yrs. experience in office as well as manager of a large transfer and storage house is my record. Best of reference. Address J. F. Wonder, 505 E. Armstrong, Peoria, Ill.

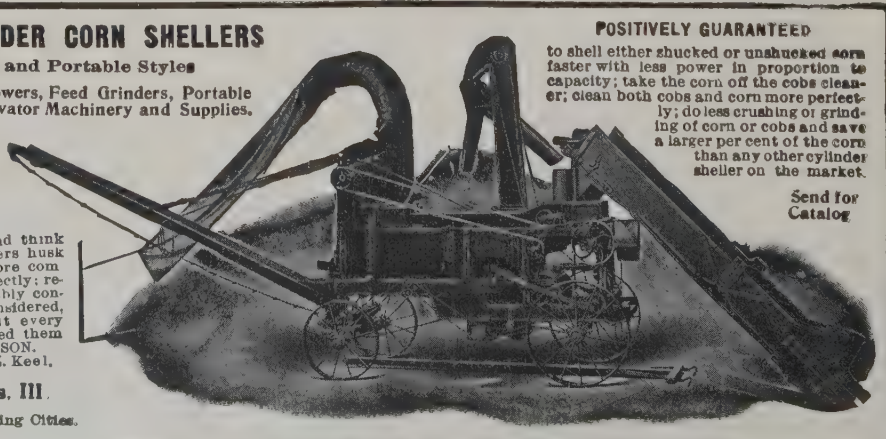
BOOKKEEPER OR BUYER wants situation. Experienced. For the past 3 yrs. have been manager and agent of line company. First class references. Correspondence solicited. Address Mat. Box 8, Grain Dealers Journal, Chicago.

WANT A JOB as grain buyer, manager of an elevator, engineer, traveling solicitor or any position connected with the grain business? If so, make your wants known to progressive grain dealers who are in need of experienced help through the "Situations Wanted" column of the Grain Dealers Journal.

FIRST CLASS GRAIN MAN wants position with some grain company. Have had six years experience and am competent to successfully fill any position pertaining to the grain business. Am not afraid of dirty work. Will go anywhere. Salary to start with no object. Can furnish best of reference. Address T. A. N. Box 8, Grain Dealers Journal, Chicago.

SALT NEW BARRELS NEW SALT PROMPT SHIPMENTS
WRITE US FOR PRICES
THE COLONIAL SALT CO.
AKRON, O.
MANHATTAN BLDG. CHICAGO D. S. MORGAN BLDG. BUFFALO, N. Y.

S. W. YANTIS & CO.
GRAIN
The execution of Commission Orders a Specialty.
25 Years' Experience at Your Service.
253 La Salle St. CHICAGO

NEW MARSEILLES DUSTLESS CYLINDER CORN SHELLERS
Made in Several Sizes, Both Stationary and Portable Styles
WE MAKE Hand and Power Corn Shellers, Horse Powers, Feed Grinders, Portable Elevators and Wagon Dumps, Pump Jacks, Grain Elevator Machinery and Supplies.
Speaks for Itself:
Gainesville, Texas; May 12, 1908.
Marseilles Mfg. Co., Marseilles, Ill.
Gentlemen: We purchased the first Shuck Corn Sheller you ever made, some eighteen or twenty years ago. Since then we have bought 12 or 15 of them, representing every improvement, and expect to buy several more this season We have bought one or more of about every other make and think we are competent judges of such machinery. Your Shellers husk and shell the corn off the cob more thoroughly; save it more completely; clean both the shelled corn and the cobs more perfectly; requires less power in proportion to capacity; are more durably constructed and costless, loss of time and cost of repairs considered, than any sheller we have ever used. We have thrown out every other kind of Corn Sheller we ever bought and have replaced them with yours.
KEEL & SON.
By J. Z. Keel.
MARSEILLES MFG. CO. Marseilles, Ill.
Branch Houses and General Agencies at Principal Distributing Cities.
POSITIVELY GUARANTEED
to shell either shucked or unshucked corn faster with less power in proportion to capacity; take the corn off the cobs cleaner; clean both cobs and corn more perfectly; do less crushing or grinding of corn or cobs and save a larger per cent of the corn than any other cylinder sheller on the market.
Send for Catalog


SEEDS FOR SALE.

EBERTS GRAIN CO., Nabb, Ind., offers sunflower seed and white silver skin onion seed in car lots or less.

RED CLOVER, MAMMOTH, CLOVER and alsike for sale. Write for samples and prices. S. Bash & Co., Ft. Wayne, Ind.

SEEDS FOR SALE. Clover, timothy, millet, hungarian, red top and other field seeds. Write for prices. Illinois Seed Co., Chicago. Ill.

FOR SALE—Kentucky grown orchard grass and Kentucky fancy blue grass, fancy and unhulled red top, car lots or less. Louisville Seed Co., Louisville, Ky.

ALFALFA SEED, grown in Artesian Valley for sale. Also cane, millet and kaffir corn. Write for prices. Meade Grain & Seed Co., Meade, Kans.

NEW MADRID SEED CORN for sale in car lots. Both white and yellow. Specially selected and put up in even weight branded bags. Jasper, Newsum & Co., New Madrid, Mo.

JOHNSON GRASS SEED. Now in position to supply reasonable quantity choice, new crop seed. Suggest early purchases as crop is small and demand heavy. At close of last season could not be had at all. Pittman & Harrison Co., Sherman, Texas.

CHOICE HOME GROWN CLOVER, medium or mammoth, alsike and timothy. Raised in the best seed territory in the United States. In quantities from one bag to car loads. Samples and prices on request. Ask us about seed oats. The Sneath-Cunningham Co., Tiffin, Ohio.

WE HAVE a consignment of turkestan dodderfree alfalfa, crimson clover stored in New York; new crop European alfalfa, red clover, white clover, timothy, Engl. reygrass, Bromus Inernus. Apply to our representative, I. L. Radwaner, 229 Broadway, N. Y. City, R. Liefmanns Sons, Successor, Hamburg, Germany.

SEEDS WANTED.

MEDIUM RED CLOVER, WHITE CLOVER and alsike wanted. Send samples. Younkerman Seed Co., Council Bluffs, Ia.

SEEDS WANTED—Clover, timothy, millet, hungarian, red top and other field seeds. Send samples. Illinois Seed Co., Chicago, Ill.

YOU CAN EASILY find a buyer for your pure seeds and grain by placing an ad in this column. Send to Mgr. Want Ad Dept., Grain Dealers Journal for particulars.

SEEDS—We buy every kind of seed, also milletts, kaffir corn, off grade wheat, feed barley, etc. Mail samples with price or ask for bid. O. Gandy & Co., South Whitley, Ind.

WE WANT medium, mammoth, alsike and alfalfa seed, also timothy. We will pay the highest market prices. If in the market to buy, ask for our samples. Kraus & Apfelbaum, Columbia City, Ind.

FARM SEEDS WANTED. Regenerated Swedish select oats, early champion oats, Oderbrucker barley, spring wheat, any variety, medium red clover, alsike, white clover, alfalfa, timothy, Kentucky blue grass and all other farm seeds. O. W. Pearson Grain Co., 1003 35th St., Chicago.

FLOUR FOR SALE.

MIXED CARS of flour and mill feeds in 100-pound sacks are our specialties. Would like to send you a trial to convince you of the superiority of our products. Ansted & Burk Co., Springfield, O.

GRAIN WANTED.

FARMER'S ELEVATOR, Wheatland, Ind. We are country buyers of grain. Please bid for our grain. E. M. Smith, Secy.

SALVAGE GRAIN. We buy grain salvage in any quantity, wet or dry. American Cattle & Poultry Food Co., Binghamton, N. Y.

NEW WHEAT AND OATS of every description wanted. Mail samples and name price delivered Philadelphia. Address L. F. Miller & Sons, Phila., Pa.

BUCKWHEAT FOR SALE.

Buckwheat flour
Buckwheat groats
For sale by
Miner-Hillard Milling Co.,
Wilkes-Barre, Pa.

HAY FOR SALE.

ALFALFA AND PRAIRIE HAY, carload lots. Lowest prices. Orders promptly filled. E. R. Boynton Hay Co., Kansas City, Mo.

HAY WANTED.

HAY & STRAW WANTED—Correspond with us. W. J. Armstrong Co., Milwaukee, Wis.

HAY & STRAW WANTED—Correspond with us. T. D. Randall & Co., 92 Board of Trade, Chicago, Ill.

WE ARE IN THE MARKET for hay and straw. Write or wire price f.o.b. your track. Standard Hay & Grain Co., 387 Bourse Bldg., Philadelphia, Pa.

G. S. MANN—SEED BROKER
715 Postal Telegraph Bldg., Chicago, Ill.
ALFALFA SEED WANTED — I have Buyers for new crop alfalfa seed free of noxious weeds for prompt or later shipment. State quantity, price and mail at least 2 oz. samples

THE TOLEDO FIELD SEED CO.
CLOVER AND TIMOTHY SEED
Consignments Solicited.
Send Us Your Samples.
ASK FOR OUR DAILY BIDS
TOLEDO, OHIO

Red Clover, Timothy, Alsyke, Mixed Alsyke and Timothy.
BUY OR SELL. Send samples stating quantity
THE ADAMS SEED CO.
Decorah, Iowa

OKLAHOMA GROWN SEED CORN
Specially Selected and Distributed by
J. E. FARRINGTON SEED HOUSE
Chickasha, Oklahoma

H. MELVIN MAHIN
Commission Dealer in
Kansas and Oklahoma Broom Corn
Consignments Solicited
5300 Armour Ave., Chicago

THE ALBERT DICKINSON CO.
Clovers, Timothy, Flaxseed, Bromus inermis, Dwarf Essex Rape Seed
SEEDS
Blue Grass, Orchard Grass, Millets, Hungarian, Redtop, Seed Corn, Peas, Beans, Bags, etc
Main Office, CHICAGO, ILL. MINNEAPOLIS, MINN.

WE ARE DEALERS IN SEEDS
Timothy, Clovers, Millets, Etc.
Also Seed Grain
MINNEAPOLIS SEED CO. MINNEAPOLIS, MINN.

WE BUY PURE SOFT WINTER WHEAT
CHOICE WHITE CORN (either ear or shelled)
Cincinnati official weights and grades final.
PERIN BROS., Millers Cincinnati, Ohio

Genuine Texas Red Rust Proof Seed Oats
Selected and Recleaned. Even weight printed bags.
Car lots only.
TERMINAL GRAIN COMPANY Fort Worth, Texas

SEEDS
Grain, Clover and Grass Seeds,
CHAS. E. PRUNTY,
7, 9 and 11 South Main St. SAINT LOUIS

Separate the Wheat from the Oats

Under the very best of conditions, oats and barley will get into the wheat, making a mixture that is objectionable. Using all possible care, this is a condition that has to be dealt with and a separation should be made.

It is unwise to ship such mixed grains to market, as the presence of either lessens the value of both.

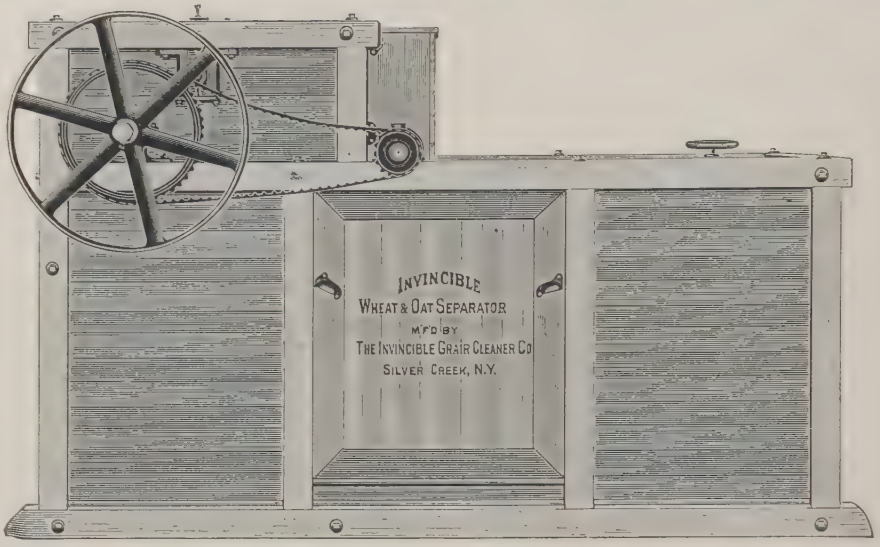
Hence, every elevator should have an

Invincible Wheat and Oat Separator

This machine has the advantage over the receiving separator as it will not tail over the larger kernels of wheat.

It will also take the tailings from the separators containing the large wheat and separate and save the wheat. This Means a saving and a profit that has been slipping by you.

This machine is not expensive and will soon pay for itself by increasing the value of the grain shipped and saving what would otherwise be wasted.

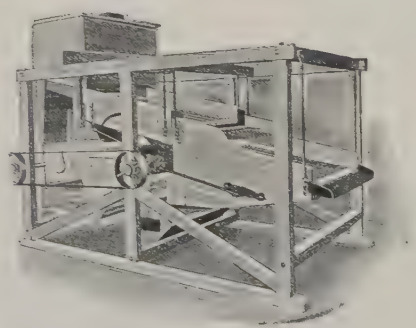


Write for prices and further particulars to

INVINCIBLE GRAIN CLEANER CO.

SILVER CREEK, N. Y.

Represented by J. H. PANK, 512 Traders Building, Chicago, Ill., Phone Harrison 667. F. J. MURPHY, 225 Exchange Bldg., Kansas City, Mo.
C. L. HOGLE, 623 Board of Trade, Indianapolis, Ind. N. W. Representatives: STRONG-SCOTT MFG. CO., Minneapolis, Minn.
C. WILKINSON, 6027 Chestnut St., Philadelphia, Pa. FRANK E. KINGSBURY, Terminal Hotel, St. Louis, Mo.
CHAS. H. STERLING, Jefferson House, Toledo, Ohio.



CORNWALL CORN CLEANER

Up-To-Date Corn Machinery

You need the latest and best to handle the immense corn crop this year.

The Victor Corn Sheller has the latest in feeders and feed hoppers, is adjustable by means of hand wheels and lever, has all its wearing parts made of special chilled iron and has a hardwood frame of great strength and durability.

The Cornwall Corn Cleaner has a feeder of great efficiency, has unequalled air separations, is equipped with our patented finger sieve which never clogs and has a frame made especially heavy and strong.

Both of these machines are standard and are in use everywhere.

We also make Feed Mills with Ball or Standard Bearings, Scourers, Oat Clippers, Aspirators, Grain Dryers of all capacities and Cereal Mill Outfits.

Send for latest Catalogue



VICTOR CORN SHELLER

BARNARD & LEAS MFG. CO.

Builders of Elevator Machinery & Supplies - MOLINE, ILL.

SPECIAL SALES AGENTS

BARNARD MFG. CO., Spokane, Wash.
M. M. SNIDER, 1533 E. Walnut St., Des Moines, Iowa
W. S. DRA HEAR, 421 E. Pine St., Springfield, Mo.
WM. EBERT, 2028 Midland Avenue, Louisville, Ky.
C. B. DONALDSON, 538 Oak Street, Columbus, Ohio
H. J. CREAGOR, P. O. 1595, Salt Lake, Utah
GEO. J. NOTH, Tel. Harrison 5597, 402 Monadnock Block, Chicago
U. C. DARBY, Williamsport, Md.
WILLFORD MFG. CO., Minneapolis, Minn.

GRAIN DEALERS JOURNAL

Published on the
10th and 25th of Each Month
by the
Grain Dealers Company
255 La Salle Street, Chicago, Ill.
CHARLES S. CLARK,
Manager.

Subscription Rates

To United States, Canada and Mexico one year $1.50, two years $2.50.
To Foreign Countries within the Postal Union, prepaid, one year $2.50, two years $4.00.
A Red Wrapper on your Journal means your subscription has expired.

The Advertising

value of The Grain Dealers Journal as a medium for reaching progressive grain dealers and elevator men is unquestioned. The character and number of advertisements in its columns tell of its worth. If you would be classed with the leading firms catering to the grain trade place your announcements in the leading Journal.

Letters

on subjects of interest to those engaged in the grain trade, news items and crop reports are always welcome.

Entered as Second-Class Matter Aug. 5, 1898, at the Post Office at Chicago, Ill., under Act of March 3, 1879.

GOLD MARKS SIGNIFYING QUALITY OF CIRCULATION HAVE BEEN AWARDED THE GRAIN DEALERS JOURNAL BY THE AMERICAN NEWSPAPER DIRECTORY

CHICAGO, ILL., OCTOBER 25, 1910.

PREDICTED car famine has not materialized, but no grain shipper will be safe in gloating over this fact until the corn crop has been moved.

COMMODIOUS CORN cribs are very likely to be in greater demand this season than for several years past, as the crop has begun to move before the old crop has left the farmer's hands.

MAGNETIC SEPARATORS are now being recommended for elevators running smutters and clippers. The removal of iron from the grain not only minimizes the wear and tear on the machines, but also reduces the fire hazard.

THE MOISTURE content of corn will again be given a hearing before the Illinois Railroad and Warehouse Comission at Chicago next Thursday morning. While it is essential that machines and methods of determining the percentage of moisture in corn should be uniform, so as to insure uniform tests, it is not possible seriously to consider doing away with the moisture test. Differences in the work of different men, different machines and difference in samples of corn drawn from the same car are more responsible for the feeling that the tests are unreliable than any other factors entering into the making of moisture tests.

SHIPPERS WHO have an earnest desire to get their grain shipments to market in prime condition will find suggestions of value in the instructions of Mr. Campbell published on page 575 this number and in the suggestions being circulated by the Weighing Department of the St. Louis Merchants Exchange which are reflected on page 590.

MANY DIFFERENT influences are being brot to bear with the Interstate Commerce Commission to induce it to render an early decision on the proposed advances in freight rates filed months ago by greedy carriers who are eager to increase their dividends on watered stock. If the producers, shippers and consumers are alert, no advances will be made, as the smallest advance will result materially in the increased cost of living and prove a permanent check on trade.

MATCHES AND gasoline can not often be safely admitted in the engine room at one and the same time. A Nebraska elevator man, whose clothing caught on the shaft of his gasoline engine recently, came near burning to death as the result of the matches in his pocket becoming ignited and setting off a can of gasoline which burst and threw burning oil all over him. The old plan of priming the gasoline engine with a can of oil should be discarded and gasoline kept out of the engine room, except the small supply pumped into the engine cylinder.

SELLING GRAIN "destination terms" is so indefinite that no shipper who is alert to his own business interests will think of entering into such a contract. "Destination weights" or "unloaders count and grade" are too indefinite for toleration in a present day grain contract. If the buyer means that Indianapolis or Kansas City weights and grades shall govern, then he should say so, not hide his meaning with ambiguous terms which permit of different interpretation. The use of specific terms which have one definite meaning are sure to obviate many misunderstandings and reduce both friction and loss.

GRAIN DEALERS whose elevators are burned as the result of a spark emitted by a passing locomotive will be *delighted* to hear that a Michigan firm, F. E. Close & Son of Byron, have been given a verdict against the Ann Arbor R. R. for $20,562 as damages for the recent burning of their plant. As a rule the railroad companies try to wear out the grain dealers by delay and prolonged litigation, but in this case the plaintiff seems to have obtained quick action. A spark arrester is now being placed on the market which should overcome entirely this fire hazard of the passing locomotive. Experienced engineers, who have given any thot to the subject seem to be convinced that the arrester will do everything claimed for it.

GRAIN BUYERS with Nomadic tendencies will be amazed to learn that one Illinois dealer has bot grain at his station for 49 years. He still does business at a living profit, enjoys it and has the confidence of his patrons as well as the receivers who handle his shipments. He has never suffered a loss by reason of a hasty purchase or sale of elevator property and he has been in one town so long every one in the county knows the line of business he is engaged in. Many dealers each year sell a profitable business because they permit discontent and dissatisfaction to overtake them. Had they devoted their time to studying their business and their patrons and terminal markets, they would have had little time to think of the great opportunities advertised in the next state. The progressive pusher can generally succeed by close application in building up a profitable business almost anywhere.

OKLAHOMA law makers, in their effort to live up to their reputation last year, enacted a new law fixing the standard weights of corn meal at 36 lbs., 17½ lbs. and 8¾ lbs. each, gross. Inasmuch as the amount of each package dealt in is immaterial so far as police regulations are concerned, the weight rests entirely with the seller and buyer. To forbid them the privilege of dealing in packages of weights to their own liking would deprive them of the right of private contract. So long as each package has the correct weight plainly stamped on the outside of each package, there is little opportunity for cheating buyers by means of short weights. The trade would much prefer to deal in even weight packages and custom, which is established by parties directly at interest, should govern the size of the packages. Wiseacres who consider only the possibility of providing places for henchmen fail to perform any service of real value to the public.

INTEREST on advances made to shippers can easily be justified in the case of commission merchants who act as the shipper's agent and advance money on the bill of lading, but it is unreasonable that shippers should be charged interest beyond the day grain is unloaded in the terminal market and the weights obtained. Until the grain is unloaded, it is not possible to determine the exact amount of grain in car, hence commission merchant could not collect from buyer for the shipper until grain is unloaded. However, it is unreasonable to expect shipper to stand for interest on his draft until the car is sent a thousand miles to some interior point for unloading. Shippers can obviate the difficulty sure to follow in the wake of sales for interior shipment by instructing their commission merchant to sell their grain only on condition that it will be unloaded in the terminal market and promptly settled for.

WHEAT WITH smutty ends can not be expected to grade well in any market, hence it behooves buyers who are in business for a living profit to avoid paying more than the stuff is worth as they will surely experience much difficulty in realizing No. 2 price for smutty wheat in any market.

EAST ST. LOUIS has been suffering from the depredations of an organized gang of grain thieves who have with hatchets and augers broken open cars and robbed them of their contents. The officials of the Merchants Exchange of St. Louis have taken up the matter in earnest and altho they may be unable to apprehend the thieves, they will prevent a repetition of the stealing, if possible.

REPORTS OF receipts and shipments at terminal markets are now somewhat confusing and misleading, because of the different practices prevailing in different markets. While it is to the advantage of the trade to have information regarding through shipments, it is to its disadvantage to have such shipments included in statements of receipts and shipments. The old time deception may satisfy the booming instinct of the compilers, but at the sacrifice of the true value of the receipts and shipments statements.

FREE WHEAT is favored by many millers along the Canadian border, who desire more markets from which to select their supplies. It would seem that the milling in bond privileges should be sufficient to satisfy the export millers. Cheaper raw material might result in cheaper flour and greater consumption of bread, but if wheat is to be placed on the free list or any reduction made in the duty, most of the grain dealers will favor similar reduction in duties on other imported grains in order that they may have more to handle.

INDEFINITE TERMS were given a body blow by the Grain Dealers National Ass'n at its annual meeting in this city recently, when it eliminated from its trade rules those relics of lax methods, "immediate, quick and prompt," and substituted therefor a rule requiring that time of shipment or delivery be specified in calendar days with utter disregard for Sundays, holidays or work days. No trade can progress and still retain the old vague, elastic rules which permitted of so many different versions by an unprejudiced jury of intelligent men. If the trade rules of the grain associations and the grain exchanges are to command the respect of the trade, they must be clothed in clear and exact language. While the new rules, no doubt, are far from perfect, still they are being improved and will be further improved when those who discern their defects, make known valid objections.

KANSAS HAS an Attorney General who is sorely in need of education as to the difference between a bucket-shop and a legitimate grain exchange firm who buys and sells grain for future delivery. If the Attorney General is to stop the farmers and grain dealers of his state selling grain for future delivery, some one may also enjoin his milk man from contracting to deliver milk at his door during any time in the future. It looks as tho the Attorney General was simply forcing the legitimate firms to prove their transactions above suspicion.

A KANSAS dealer whose convictions are published in our department devoted to "Letters" this number, takes issue with the Government Crop reporters on the corn produced in the Sunflower state this year. The government reports are so widely at variance with the state reports that it seems certain they must often be far from the truth. If the Dept. of Agriculture were permitted to divert the money it is now wasting in the purchase of seed for free distribution to a long suffering people, it could greatly improve its crop reports to the great advantage and profit of every citizen. Law makers would be deprived of the privilege of sending Government gratuities to their supporters, but we firmly believe they would stand much higher in the estimation of those supporters if they would stop the free distribution of trash.

REWARD FOR PROMPT RELEASE OF CARS.

A reward for the prompt release of cars by shippers has been proposed by the General Agent of the American Railway Ass'n., who has charge of the car supply and movement. This is exactly what was aimed at by the champions of the loading fee all through the early years of the Grain Dealers National Ass'n. Its active workers continued for years the agitation for the reward of the elevator man who, by reason of his modern facilities, is able to load cars promptly and thereby increase the earning capacity of the car. Later, the railroad managers saw the wisdom of the contention and profited by granting an elevation allowance to terminal elevator men.

The country elevator man, who loads a car in a few hours, is just as much entitled to a reward as the terminal elevator man. The general agent of the railway association, who has devoted his entire attention to the movement of cars for several years past, claims that the addition of a mile a day to the average car movement would be equal to the purchase of a million dollars worth of cars. Grain elevator men generally load cars same day they are placed on their track, unless carrier delays filling different orders for cars and delivers them all in a bunch.

Nearly every carrier now charges demurrage for the delay of its rolling stock and shippers have long contended that they also were entitled to compensation for the delay of their goods, either at initial point or in transit, and in this contention the courts have upheld the shippers. While every grain shipper naturally loads his grain as promptly as possible, because of his eagerness to get his grain to market, some cars would surely be released more promptly if shipper was rewarded directly for such release. If railroad employes could be induced to co-operate, the average daily movement of each car would be further increased.

FEEDSTUFFS manufacturers will be glad to know that there is good prospect of many of the states joining hands in the adoption of a uniform, concentrated, commercial feedstuffs law. The different state officials have readily recognized the manufacturers' difficulty in familiarizing himself with all the laws and the utter impossibility of complying with all of them while doing a small business in each state at a living profit. The Executive Committee of the Association of Feed Control officials has drafted a new law which will be discussed and recommended at the meeting of the Association to be held in Washington, Nov. 14th. It seems somewhat ridiculous that it should be deemed necessary to have a horde of chemists, inspectors and department officials living on the feedstuffs trade, but it is so, hence producer and consumer must pay the bill. Some day the public may realize it is sufficient to enact a law requiring manufacturers who put up food and feedstuffs in packages, to brand each package with the weight and name of contents. The present system is entirely too expensive for the good obtained.

THE BURDENSOME SUPPLY.

After several years during which consumption has been following too closely upon the heels of supply we are now approaching a normal condition in which abundant stocks in all positions make for economy in distribution and the employment of our grain handling and storage facilities at their maximum capacity.

Indeed, the problem in many of our terminal markets will be to find room in elevators, many of the old wooden houses which have burned not having been replaced, until terminal storage capacity actually is less than it was a few years ago. No one would think of erecting large terminal storage unless of fireproof construction, which is so much more costly than the old cribbed elevators that individual capitalists have been reluctant o provide the needed capacity. Hence a larger proportion than usual of our superabundant crops will be turned back to the country elevator and the farm to be held until wanted.

With a world's available supply on Oct. 1 of 205,000,000 bus. wheat, against 140,000.000 bus. a year ago, a visible of 91,000,000, against 62,000,0000 bus. on Oct. 1 last year, and a large crop of oats of good quality, it is not surprising that the present liberal carrying charges in those grains should develop. Already wheat for December delivery is selling 6½c under May, and it is predicted that when new corn makes its appearance in the markets the near future will go to a correspondingly heavy discount under the deferred delivery.

French needs of wheat are well filled, the Southern states are growing more corn and less cotton, Russia is shipping most heavily and the coming wheat crops in Argentina, Australia and India are reported to be progressing very favorably. Under these conditions the burdensome supply is forcing prices lower and yet lower by easy stages which the speculators are unable either to hasten or hinder.

Wheat growers have been holding their crop, selling only under pressure of necessity or refusal of loans by the local banker or elevator operator. Having received over $1 in the past the prices now offered seem low and strange to the farmer. It will take time for the producer to become accustomed to the new quotations, unpleasant tho they seem.

SHIPPERS who desire to know their rights and duties under existing interstate commerce laws can learn much of value by perusing the able address of J. C. Lincoln, traffic manager of the Merchants Exchange of St. Louis, which is published in our report of the national convention in last number. It is a comprehensive tho brief history of the persistent efforts made by Congress to prevent the annihilation of the small and the weak business by discriminating carriers. Each advance has been strenuously opposed by the railroads, altho many of the reforms have proved as beneficial to the carriers as to the shipping public.

SCREENINGS are reported to be unusually scarce in the Northwest. All grains being received at country stations are in cleaner condition than for years and the average dockage on wheat in the terminal markets is less than half what it was last year. Hence, grain will grade better, command a higher price, and shippers will not be put to the burden of paying freight on foreign matter. While Jack Frost has been the principal cause of the disappearance of weed seeds from this year's crops, it is hoped that farmers will be so impressed with the advantage of marketing clean grain that they will henceforth refrain from planting dirty seed. Cleaning machines are now made which will take the foreign matter out of almost any seed grain, so there is no excuse whatever in farmers continuing to plant weeds, as the weeds not only reduce the yield of grain, but reduce the quality and the price received.

THE RAILROADS affected by lake transportation have always striven to do everything in their power to discourage shipments of grain by water. For many years they controlled the grain transfer facilities at Buffalo and New York and levied such extortionate charges for handling water-borne grain that shipments were frequently diverted to the all rail routes. As along the Mississippi River, they have sought to control terminal facilities and to levy discriminating charges which should work as a detriment to water transportation. The State of New York enacted laws and the Erie Canal Boatmen organized in an effort to secure relief, but still the railroads continued their interference. The latest discrimination which is complained of by the Chicago Board of Trade in a petition to the Interstate Commerce Commission points out that the railroads are seeking to charge more for grain from Buffalo to Eastern points which is taken to Buffalo by water than where the same grain is borne to Buffalo by the rail carriers. This discrimination naturally affects every western grain shipper and especially the western lake ports engaged in grain shipping business.

Transit Rules Compromised.

Great progress toward drafting a set of milling in transit rules that will be satisfactory to the millers was made at a joint meeting of millers and railroad officials held recently at Chicago.

Both sides agreed on changes in the rules promulgated by the carriers, and the new draft of the rules will be submitted to each road in the Central Freight Ass'n for approval.

The recording fee of 10c per car of grain was waived.

Instead of being required to certify shrinkage on each freight bill the amount of invisible loss is to be determined at stated periods. As now proposed several of the rules formerly objectionable will read as follows:

Rule 6. The minimum milling or malting-in-transit charge shall be ½c per 100 lbs., but not less than $3 per car, which shall be in addition to the thru rate and be applied on the inbound product.

Rule 7. The period of time allowed for the milling or malting-in-transit privilege will be 12 months after receipt of the grain at the mill or malthouse, except that in the case of an advance in rates the period of time allowed for the transit privilege will be reduced to 30 days on all grain leaving point of origin or rate-basing point during the 30 days' period immediately preceding the effective date of tariff naming such advanced rates.

When such time limit has been exceeded, the local rate to and from the transit point will be charged.

Rule 14. Shipping Certificate. Tender is hereby made to.....R. R. of..... R. R. freight bill, Pro. No.....dated at..... 19...., for the purpose of securing reshipping privilege and transit rate on the product of the commodity covered thereby and which.....further declare to be the freight bill legally representative of the property offered for shipment. This tender is made with a guarantee on part that such privilege and rate may legally be given under the rules of said railway, as published in its milling and malting-in-transit tariff No....., I. C. C. No....., issued....., together with the rulings and interpretations of the Interstate Commerce Commission, as per their opinion No. 1247, May 3, 1910, all of which have been read and with which familiar.

.....
(Signature of shipper)

Rule 15. Paragraph "C." A straight carload of transit product milled or malted from grain originating in different rate territories will be given the benefit of the thru carload rate from the respective points of origin of the grain to final destination of the product, provided the outbound product is correctly described in shipping directions and legally representative inbound grain freight bills are canceled by the transit inspector in proportion to the constituent parts of the carload, so as to preserve on each portion, respectively, the through carload rate (subject to rule 5) lawfully applicable. To illustrate: Three varieties of wheat may be shipped from three different rate territories (say, spring wheat from the Dakotas, hard winter wheat from Kansas, and soft winter wheat from Indiana), mixed and ground into a blended flour; the charges on such shipments will be computed on the actual weight of each constituent portion at the lawful through carload rate applicable from the respective points of origin of the grain to the final destination of the product.

The Great Western Cereal Co., which recently borrowed $1,500,000, is planning extensive improvements to its numerous plants this fall.

Agitation in western Canada for the free admission of farm machinery from the United States in exchange for free admission of Canadian wheat into the States is gaining strength.

United States Judge Hough on Aug. 29, signed a warrant for the removal to Washington of Louis D. Cella, Angelo Cella and Samuel W. Adler, who are charged with having operated a bucket-shop in the District of Columbia.

Leaking in Transit.

Shippers who favor their brother sufferers by sending reports of cars they see leaking grain in transit, to the Grain Dealers Journal for free publication, encourage others to report their cars when seen leaking in transit. We have received reports on cars leaking grain as follows:

Mo. P. 30356, loaded with corn, passed thru Bancroft, Neb., Oct. 21, with one end knocked out, leaking very badly. Could not be repaired with materials at hand.—Rodebaugh Grain Co.

P. C. C. & St. L. 549847 passed thru Clarence, Ill., Oct. 20, on train No. 64 on the L. E. & W. R. R., leaking white oats at end.—Frederick Grain Co.

N. Y. C. & H. 60115 passed thru Clarence, Ill., Oct. 20, on train No. 64 on L. E. & W. R. R., leaking corn badly at side of car.—Frederick Grain Co.

Atlantic Coast Line 31220 passed thru Oakwood, Ill., Oct. 19, leaking yellow corn at end door in car. Could not reach it to fix leak.—E. A. Fox, agt. B. B. Minor.

Wabash 63243, loaded with white corn, passed thru Milmine, Ill., in local freight, westbound, Oct. 18, leaking badly at drawbar. Train was in motion when observed. Reported same by phone to agt. at Cerro Gordo before arrival of train at that station.—Baker & Felger.

St. P. 36148, loaded with No. 3 white oats, was set out for repairs at Dedham, Ia., in the morning of Oct. 16, with drawbar out of west end. Oats scattered along main line and house track. We noticed a loss of at least 10 bus. in yard.—H. W. Pollock & Co.

P. R. R. 49901 went thru Kamrar, Ia., Oct. 14, southbound, leaking shelled corn at side door. We fixed it as good as we could while train was standing.—J. H. Neel, mgr. Neel Grain Co.

C., M. & St. P. 43536, loaded with wheat, had drawbar pulled out while train was switching at Worthing, S. D., Oct. 10, and would estimate about 100 bus. of wheat lost out, some of which is being picked up by railroad company and balance in car is being transferred into C., M. & St. P. 23120.—J. Madden & Son.

C., M. & St. P. 23120 was loaded with wheat at Worthing, S. D., Oct. 10, transferred from C., M. & St. P. 43536, that had drawbar pulled out while switching at same station, and lost about 100 bus. of wheat.—J. Madden & Son.

A Car of Yellow Corn on extra east on Ill. Cent. R. R. at Wilke, Ia., Oct. 8, leaked badly on south side of car.—T. E. Blodgett.

D. L. & W. 22403 was set out for repairs at Sherwood, Ohio, Oct. 4, leaking yellow shelled corn on north side. Patched up by car repairer.—Fred Kalmbach, prop. West Side Eltr.

N. Y. C. & H. R. 16128, loaded with yellow shelled corn, stood on the side track in Houston, Ohio, on the morning of Oct. 2, with one end out and about 150 bus. of corn on the ground.—C. H. Ginn, mgr. Farmers Eltr. Co.

C., R. I. & T. 150142 passed thru Mineral, Ill., on R. I. Oct. 1, leaking corn badly at drawbar. Had no time to examine.—C. A. Cole, mgr. Mineral Grain Co.

N. Y. C. & H. R. 45811 passed thru Arlington, Ind., Oct. 1, going east on local freight, leaking shelled corn from bottom of car; a bad leak, had no time to fix it.—Hutchinson & Son.

G. N. 22534, capacity 80,000 lbs., passed thru Penn, N. D., Sept. 27, leaking a half-inch stream of good, dry wheat at hopper bottom "trap door." The train merely slowed up so I had no time to stop the leak.—H. C. Kornder, agt. Imperial Eltr. Co.

B. C. R. & N. 64314 was in the yards at Stuart, Ia., Sept. 26, with side door open, no seal.—Thos. Woof.

M. & O. 18647 had oats transferred into it at Stuart, Ia., Sept. 26, from bad order car C. R. I. & P. 26585.—Thos. Woof.

C. R. I. & P. 26585 came into yards at Stuart, Ia., Sept. 26, leaking oats at front trucks; casting broke on the south side and siding gave way. When switched it leaked about 40 bus. on right-of-way. Oats were transferred into Mobile & Ohio 18647.—Thos. Woof.

Pennsylvania 9221 passed thru Mineral, Ill., Sept. 24, on C. R. I. & P., leaking oats badly at bolster under car.—Chas. A. Cole, mgr. Mineral Grain Co.

Letters From Dealers

[Here is the grain dealer's forum for the discussion of grain trade problems, practices and needed reforms. When you have anything to say of interest to members of the grain trade, send it to the Journal for publication. It may draw out the views of others.]

PLAY BALL WITH CAR.

Grain Dealers Journal: On Oct. 4, I loaded Mo. P. car No. 30439 with wheat and billed it to Holden, Mo., and there the mill loaded the same car with feed and sent it to me. On. Oct. 19 I loaded the same car with wheat and sent it to the Holden Mill Co. Who can beat that? —E. P. Clark, Lee's Summit, Mo.

PRICES NOT EXORBITANT.

Grain Dealers Journal: In looking over our wheat sales for the month of October 1909, we find the average price for No. 2 red wheat exactly $1.26¾. While sales up to this date for October, 1910, average $1.02. If Europe is short one hundred millions, and our crop is no larger than that of 1909, present prices certainly are not exorbitant. Yours, Loudon & Co., Cincinnati, O.

KANSAS CORN CROP OVER-ESTIMATED.

Grain Dealers Journal: In looking over the Government Report, I see that the corn crop of Kansas is estimated Oct. 1 at 62%. There may be some parts of the state that are that good and some better but the three south tiers of counties lack a good deal of anything like 25% and many counties will not average 10% of a crop of merchantable corn.

In order for the state to average 62%, part of the state was either thrown out or else some of the reporters were ashamed to tell the actual condition of the crop for fear that land buyers would steer clear of their localities. Sumner Co. will not average over 10% of a crop of corn and not over 5% or 6% of No. 3 and 4. Cowley is not any better and the counties west are in the same boat. It looks like it were doing the state an injustice to rate its crop so high. Corn is being shipped into this county now from Nebraska and the same is being done in Cowley County and counties east and west.

This part of the state has had very little rain since the first week in August. The wheat that was sown on the early plowing came up nicely, but it has about all disappeared. The balance of the late seeding is in the dry dirt and will not come up until rains fall. From the present outlook not more than 50% of the ground seeded will make any crop. The acreage is fully 10% less than last year. There is no wheat to speak of left in the farmers' hands. There was less than 6,000 bus. threshed in this territory. Oats made a fair crop and 50% has left the farmers' hands.—J. J. Stevens, Dalton, Sumner Co., Kan.

Harvest Home services, the first of the kind in many years, have been held in Pennsylvania, recently in thanks for the abundant crops. The churches were decorated with corn, grain and fruit, which was presented to the pastors.

Grain Doors Furnished by Railroads.

NO CAR LINERS FURNISHED.

The Union Pacific furnishes grain doors but not car liners.—Shea Bros., Blaine, Kan.

DOORS FURNISHED BY GT. NORTHERN.

The Great Northern furnishes us with good grain doors.—Hendrum Elevator Co., Hendrum, Minn.

VANDALIA FURNISHES GOOD DOORS.

The Vandalia railroad does not furnish with car liners but it furnishes good car doors.—Davis & Johnson, Coatsville, Ind.

GRAIN DOORS BUT NO LINERS.

The Missouri Pacific furnishes us with grain doors but we have to furnish car liners.—E. J. Eveleifg, Boyd, Kan.

DOUBLE POOR BOARDS.

The M. & St. L. railroad furnishes grain doors or boards and if the boards are not good I double them.—F. F. Miller, Eden Prairie, Minn.

NORTHWESTERN FURNISHES STRONG DOORS.

The C. & N. W. R. R. furnishes us with plenty of good strong hemlock grain doors.—Geo. H. Barber, mgr. Farmers Elevator Co., Carthage, S. D.

NO CAR LINERS SUPPLIED.

We are pretty well supplied with grain doors by the Rock Island but not car liners and are getting some very leaky cars.—Aulne Mlg. Co., Aulne, Kan.

LUMBER SUPPLIED BY M. & ST. L.

The M. & St. L. furnishes us with any lumber needed for grain doors. We cooper the cars using our own nails and paper and providing our own labor.—Crescent Milling Co., Fairfax, Minn.

DOUBLE THE POOR DOORS.

The Santa Fe furnishes us with doors which occasionally are not very good. At such times we double them. It has been several years since I furnished doors myself.—J. R. Sitler, Bliss, Okla.

ALLOWED 60c PER HOUR FOR COOPERING.

We are being furnished with all the grain doors we need and are also allowed 60c per hour if we find it necessary to cooper a car to put in shape for loading grain.—Atchison Oat Meal & Cereal Co., Atchison, Kan.

SUPPLIES GOOD GRAIN DOORS.

The N. Y. C. & St. L. supplies us with good grain doors. Sometimes very poor cars are offered us for loading, but we refuse them if they are in too bad shape. Car liners are not furnished to us.—Harrison & Johnson, McComb, O.

RESERVE STRONG BOARDS FOR DOORS.

The C., M. & St. P. R. R. keeps a supply of boards continually and we are welcome to all we need. By using horse sense we can use the poor boards in places where they will answer and reserve the good strong ones for doors. Where necessary we double them.—R. L. Houk, Good Thunder, Minn.

DOORS REQUIRE WORKING OVER.

Quite often we receive some very bad grain doors from the Indiana Southern which require working over. We have plenty of additional doors and so can make the cars safe. We never receive any liners in this section.—Boonville Milling Co., Boonville, Ind.

ROUGH DOORS REQUIRE LINERS.

The St. Louis & San Francisco furnishes us with very poor grain doors that are made from very rough refused oak lumber and which require liners. They furnish us no liners and we have to do all cooperage with no compensation.—Verona Eltr. Co., Verona, Mo.

INSUFFICIENT SUPPLY OF DOORS.

The Frisco R. R. Co. here pretends to furnish grain doors but no liners, but it is often out of doors for days, sometimes weeks. When we furnish, it allows us 60c per door while doors cost us about 75c each, exclusive of labor.—W. D. Konantz, Arcadia, Kan.

NAIL BOARDS TO CAR.

The C. M. & St. P. furnishes us with car boards which generally are fairly good. In case we do not think that single boards are strong enough we double them. We nail each board on separately without constructing it into a door. They generally keep us pretty well supplied so that we never have to buy any lumber.—Chris. Sanding, mgr. Farmers Elevator Co., Canton, S. D.

BUY SECOND HAND SACKS FOR LINERS.

We are not having any trouble about grain doors as the Santa Fe keeps us well supplied along that line. They never have furnished any car liners. We use gunny sacks and have found them to be the best lining we could get. We have been buying second-hand sacks at from 2c to 3c each, getting them mostly from stockmen who ship in oil-cake.—Wallingford Bros., Ashland, Kan.

POOR DOORS FURNISHED BY UNION PACIFIC.

The Union Pacific furnishes very poor grain doors when they furnish them at all. Last July, the supply of grain doors getting low, we had our agent order more but it was more than a month before we got any. During that time we paid out $19.22 for lumber to make doors. We did not ask the railroad to pay us anything for making the doors, only asked that they paid for the lumber but they paid no attention to our claim. The company does not furnish liners.—Belvue Grain Co., Belvue, Kan.

CARS REQUIRE MUCH COOPERING.

Part of the time the W. & L. E. railroad furnishes lumber for doors and the balance of the time we furnish them but get no pay for them. This road does not furnish car liners. We have much leakage from poor cars and do a large amount of work on many of the cars we are compelled to load or do without cars. The shipper does not have an equal chance with the company. We pay demurrage on all cars detained over 48 hours. We have to wait until it suits them to furnish us cars. It is entirely with them and we have no say about it. —James F. Evans, Bolivar, O.

Reparation Allowed.

The following refunds have been authorized by the Interstate Commerce Commission: $75.49 to Williams & Fitzhugh, of Memphis, from the Ill. Cent. for overcharge on 6 carloads of oats, forwarded from Pekin, Ill., to Memphis; $47.60 to Farmers Grain Co. from M. St. P. & S. S. M., overcharge on one carload of oats forwarded from New Richmond, Wis., to Dollar Bay, Mich.; $28 to J. H. Gregg, of St. Joseph, Mo., from the St. J. & G. I. on account of an overcharge on one shipment of bulk corn forwarded from Baileyville, Kan., to Gower, Mo.; $16.80 to the Webster Grain Co. of St. Louis from the Sou. Ry. Co. because of an overcharge on a carload of shelled corn shipped from East St. Louis to Asheville, N. C.; $14.61 to The Western Elevator Co., of Minneapolis, from the Ill. Cent. on account of overcharge on one carload of bulk corn forwarded from Rockwell City, Ia. to Chicago; $18.81 to the George H. Sidwell Co. from the Ill. Cent. on account of overcharge on one carload of corn forwarded from Charles City, Ia. to Chicago; $25.94 to W. H. Dowlen & Son, of Windom, Tex., from the G. C. & S. F. Ry. Co. because of overcharge on carload of snapped ear corn in bulk from Paoli, Okla. to Copperas Cove, Tex.

A refund of 50c was ordered paid to Redman, Magee & Co. of Cairo, by the St. L. S. W. Ry. Co. on account of expense in repairing two carloads of bulk oats forwarded from Cairo, Ill. to Little Rock, Ark.; $20.16 to Kelley Bros. Grain Co. of Witchita, Kan. from the K. C. M. & O. Ry. on account of overcharge on a carload of corn, shipped from Kansas City, Mo., to Fort Chadbourne, Tex.; $487.60 to the Walton Grain Co. of Coffeyville, Kan. from the Mo. Pac. Ry. Co. on account of overcharge on 141 carloads of grain shipped between July 4, 1905 and July 12, 1906, from Coffeyville, Kan. to various points outside the state; $20.40 to the A. R. Clark Grain Co. from the Santa Fe for expense of attaching grain doors to 17 carloads of bulk wheat, from Isabel, Crofts and Sawyer, Kan. to Wichita, Wellington and Anthony, Kan.; $1.20 to Randels & Grubb, of Enid, Okla., from the Santa Fe on account of grain doors attached to a car of wheat forwarded from New Burlington, Okla. to Galveston, Tex.; $22.45 to the Farmers Grain Co. from the Ill. Cent. on account of grain doors attached to 12 cars of wheat, corn and oats shipped from Latham, Ill. to New York City; $23.50 to F. Y. Goldsborough, of Porter, Okla. from M. K. & T. Ry. Co. on account of overcharge on one car of snapped corn forwarded from Porter, Okla. to Meekers, La.; $12.10 to the Roahen-Cary Grain Co. of Kansas City, Mo. from the Union Pacific on account of overcharge on three shipments of wheat, from Tescott, Palco and Wakeeny, Kan. to Kansas City, Mo.; $44.73 to Pittman & Harrison Co. from the St. L. I. M. & S. Ry. on account of overcharge on 4 carloads of oats from Durant and Bokchito, Okla., to Morrilton, Arkadelphia and Prescott, Ark.; $1.60 to the Southern Elevator Co. of St. Louis, from the St. L. & S. W. on account of grain doors attached to a car of corn shipped from East St. Louis, Ill. to Alexandria, Ark.; $30.26 to the Barteldes Seed Co. of Atchison, Kan., from the Santa Fe, for overcharge on two carloads of alfalfa seed from Tempe and Phoenix, Ariz. to Lawrence, Kan.; $15.43 to the St. Louis Grain Co., of St. Louis, from the Sou. Ry. Co. on account of an overcharge on one shipment of bulk shelled corn, from East St. Louis, Ill. to Waynesville, N. C.



Multiplying Wheat—$20 per Bushel.

Multiplying Wheat.

Two years ago now, the wheat growers of the Southwest were eagerly buying seed of "Miracle" wheat which F. Olney McCormick of Philadelphia was introducing for the purpose of saving our rapidly increasing population from starvation. The agricultural bureaus, both State and Federal, did not think kindly of Miracle wheat and the experiences of growers did not encourage them to attempt its reproduction in large quantities.

At the recent meeting of the Pennsylvania Millers Ass'n this famous wheat was presented as a sure means of making the Pennsylvania millers independent of the Western wheat fields, because, with such a marvelously multiplying grain, enough wheat could easily be grown in Pennsylvania to support its population and keep its mills running.

Mr. Harold Nesbit, of Milton, Pa., being the latest promoter of this wonderful grain, writes that he received six grains from Mr. Stoner of Fincastle, Va., in July, 1908, and it has multiplied so rapidly that he now has a few bushels of the stuff for sale at $10 per half bushel.

It is very evident that the claims for this wheat cannot be sustained by careful experiments. Enthusiasts seem to feel that because it stools out and produces ten to twelve straws for each grain planted that it should be a marvelous yielder. Mr. Stoner began his experiments with this wheat in 1904 so that if it had any real merit the agricultural departments of the country would have grabbed at it long before this. They have made experiments with the grain and are not recommending its use. The wild claim that it will produce from 50 to 70 bushels to the acre is not sustained by experiment. Mr. Nesbit, in a recent letter, admits that his yield this year was only 21 bushels and 20 pounds to the acre.

Farmers who want a large yield of superior wheat will profit by following the advice of the agricultural experts as to seed selection, preparation of the soil and cultivation, than they can ever hope to realize from marvelous yielding seed purchased from inexperienced farmers or shrewd fakirs.

Imports and Exports of Beans.

Beans and dried peas amounting to 543,353 bus. were imported during the eight months prior to Sept. 1, compared with 2,764,736 bus. imported during the same months last year.

During the eight months we exported 198,818 bus. of beans of domestic and 18,357 of foreign origin, against 178,509 bus. of domestic and 37,905 bus. of foreign origin during the corresponding period of 1909, as reported by O. P. Austin, chief of the Buro of Statistics.

Asked— Answered

[Readers who fail to find information desired on any subject of interest to grain dealers should send us their query for free publication here. The experience of your brother dealers is worth consulting. Replies to queries are solicited.]

QUOTATIONS ON FARM PRODUCTS.

Grain Dealers Journal: Is there a weekly or a monthly paper giving quotations all over the United States on cattle, different grades of hay, beans, cereals, hogs, tobacco, apples and pears?—Wm. D. McKey, Chicago, Ill.

DISCONTINUANCE OF NATURAL SHRINKAGE.

Grain Dealers Journal: We read in the Journal that most of the western roads have discontinued the deduction for so-called natural shrinkage in settling claims for loss of grain in transit. Is the Frisco one of these roads?—Lorenz & Geis, Cordell, Okla.

Ans.—The Western Trunk Line Ass'n of which the Frisco is a member, did last summer issue a circular No. 1-D, supplement 4, doing away with natural shrinkage deductions, but some of the roads since are claiming that the filing of such circular with the Interstate Commerce Commission was unnecessary, as being merely a declaration that the roads will not do a certain thing and as such has no place in a rate tariff. These roads now state they will settle claims on their merits. L. A. Armistead, rate clerk of the Frisco System at Chicago, states that the late grain tariff of his road provides for deduction of ¼ of one per cent on corn and ⅛ of one per cent on other grain for natural shrinkage, in rule 1410-C of supplements 6 and 10, now in effect.

INDIANA LAW ON USE OF TESTER.

Grain Dealers Journal: For the last two seasons millers and elevator men have had objections to the use of the small tester by farmers who claim it is against the law to use a tester of less than half bushel. Is it legal?—V. R. M.

Ans.: Referring to Burns Annotated Indiana Statutes, Revision of 1908, the law is found being covered 10523 to 10525, the same being covered also in section 2610 of acts 1905.

Acts 1897, p. 60. In force Apr. 14, 1897.

Sec. 10523 (8733a) Wheat, How Measured.—That it shall be unlawful for any person, commission merchant, miller, dealer, grain inspector, corporation, company, firm or association, either by himself, itself, officer, agent or employe when purchasing wheat or receiving it in barter or exchange for flour or otherwise, from the owner, his agent or employe, to use for the purpose of testing or determining the weight, grade, milling or market value of wheat, any measure other than the standard half bushel measure furnished this state by the United States; and the use of any fractional part of said standard half bushel measure for such purpose will be a violation of this section.

Sec. 10524.—It shall be unlawful to use anything other than a straight stick with the edges square. The provisions of this act shall not apply to grain inspected by the carload under the regulations of any board of trade.

Sec. 10525.—Any person violating this act shall be fined $10 to $100, and imprisoned (at discretion of judge or jury) not more than 6 months in county jail.

HOW IS DISCOUNT DETERMINED?

Grain Dealers Journal: Will some reader who is familiar with the facts kindly advise us how discounts for off-grade grain shipped on contracts for No. 2 wheat shippers track are determined in terminal markets like Toledo, Chicago and Indianapolis? Any light on this subject will be greatly appreciated.—T. S.

WANT SIMPLE DEVICE FOR CLEANING GRAIN.

Grain Dealers Journal: Where can we buy the simplest device for cleaning grain from farmers' wagons into the elevator, giving the farmers back the screenings?—Fred B. Stevens & Co., Chatham, Ont.

Ans.: The simple as well as more elaborate cleaning machines are manufactured by firms advertising cleaning machinery in the advertising columns of the Grain Dealers Journal.

Pellagra cases are reported for the first time in the last census, the 116 deaths covering about half the population of the United States.

By a recent decision of the U. S. Dep't. of Agriculture the use of a geographical name in designating a type or brand of food or drug product shall not be deemed a misbranding, but in all such cases the product shall also be labeled with the name of the state or territory where it was produced. For example, rice grown in the United States and labeled "Japan Rice" must also be labeled "Grown in the United States."

ACCOUNT SALES

THE DEER CREEK ELEVATOR COMPANY

WHOLESALE GRAIN

To

.....

Purchase No. Date of Purchase Contract Grade

CAR NO.	INITIALS	WEIGHT	BUSHELS	LBS	GRADE	PRICE	BASIS	COMMODITY	GROSS PROCEEDS

Point of Origin by Prepaid Freight

CHARGES

Differential Rate per cwt		
Exchange		
Freight Charges		
Inspection and Weighing		
Dockage per bu. acc't		
Commission		

DEER CREEK, OKLA., ...

E. & O. E.

Net Proceeds

Your Draft

Balance Due You Us

Account Sales Form Submitted by DeerCreek Elevator Co. in Reply to Question in Sept. 10 Number.

Crop Reports

Reports on the acreage, condition and yield of grain and field seeds, as well as on the movement to country markets, are always welcome.

CANADA.

Ottawa, Ont.—Fall wheat may be classed as a good crop, altho more shrunken grain is reported than in any of the last three years, attributed largely to dry weather when filling. The barley crop is good. Most of the reports on oats speak of well filled heads and plump grains. Acreage of fall wheat is estimated at 743,473, with a probable production of 19,705,837 bus.; spring wheat, 2,433,456 bus. on 129,319 acres; barley, 18,214,183 bus. on 626,144 acres, and 100,064,428 bus. of oats on 2,757,933 acres; compared with 15,967,653 bus. of fall wheat on 663,375 acres, 2,223,567 bus. of spring wheat on 135,161 acres, 18,776,777 bus. of barley on 695,262 acres and 90,235,579 bus. of oats on 2,695,585 acres last year. Bean acreage is reported as 49,778, compared with 45,029 acres last year. Buckwheat and corn acreages are 194,913 for buckwheat and 320,519 for corn for husking; compared with 176,630 acres of buckwheat and 322,789 acres of corn last year, as reported by the Buro of Industries, Ont. Dept. of Agri.

Ottawa, Ont., Oct. 1.—In Manitoba, Saskatchewan and Alberta there is a drop of about 20% in the quality of grains and roots, but the threshings indicate that the yield will be larger for wheat, oats and barley than was promised at the end of August. For the whole of Canada the condition of rye at the end of September was 83.59, which is 10% better than two years ago and 2.39% better than last year. Peas and beans are nearly 8% lower in condition than a year ago, but nearly 10% higher than in 1908. Buckwheat is about the same as last year, and 12% better than in 1908, while mixed grains are better by 5% than last year and 19.47% than two years ago. Corn for husking compared for the three years 1910, 1909 and 1908 shows percentages of 85.12, 86.77 and 82, and corn for fodder of 89.82, 87.18 and 92% for the respective years. The condition of spring wheat is 81.59%; oats 83.84%; barley 80.09% and flaxseed, 72.98%; compared with spring wheat 82.58%, oats 83.97%, barley 81.22%, and flaxseed 86.97% at this date last year. The estimated yield of rye this year for Canada is 1,634,100 bus., of peas 6,444,500, of beans 1,089,600, of buckwheat 7,302,000, of mixed grains 20,103,000, of flaxseed 4,314,000 bushels and of corn for husking 17,682,000 bushels. The average bushels per acre of these crops is 19.43 for rye, 16.69 for peas, 20.54 for beans, 26.98 for buckwheat, 34.91 for mixed grains, 9.04 for flaxseed and 53.82 bus. per acre for corn. Better averages for wheat, oats and barley are assured when the final returns are made in December than the reports gave at the end of August.—Archibald Blue, chief of Census & Statistics Office, Dept. of Agri.

ILLINOIS.

Jamaica, Ill., Oct. 11.—We expect a bumper corn crop, the best in years.—R. T. Barton.

Sublett, Ill., Oct. 18.—The corn crop in this territory will be a bumper and the quality fine.—J. W. Bittendorf.

Grand Ridge, Ill., Oct. 11.—We had a big oats crop and the corn crop will be above the average.—C. W. Peterson.

Princeton, Ill., Oct. 5.—Oats crop was good, yielding 35 to 50 bus., excellent quality.—E. W. Hopkins, mgr. Houghton Lbr. Co.

Williamsville, Ill., Oct. 11.—Corn fine in this part of the state and we shall have the largest crop in years. Farmers are inclined to hold.—J. F. Groves.

Galesburg, Ill., Oct. 4.—Quality of corn will be better than last; yield will be the same; practically all the corn is out of the way of frost.—Anderson Grain Co.

Monmouth, Ill., Sept. 30.—Will have about 90% of a corn crop; a good portion of it is out of the way of frost now. Oat crop was fine.—D. Q. Webster, agt. Jackson Grain Co.

Florence Station, Ill., Oct. 15.—No frost yet and corn excellent, about ready to husk. Some grain is moving, but most of the farmers are holding for better prices. Considerable corn has moved in the past two weeks to make room for the big new crop, which is about the best we have ever raised.—Alfred Cram.

Orion, Ill., Sept. 30.—Corn is looking good and with favorable weather for two weeks we will have a full crop; about 5 cars still of old corn in farmers' hands.—F. O. Swanson & Co.

Coal Valley, Ill., Oct. 1.—Prospects are for a bumper crop of corn; quality will be much better than last year; most of the corn is out of the way of frost.—T. R. Lees, Kropp & Lees.

Galva, Ill., Oct. 4.—Corn is in good condition and almost all out of the way of frost; yield will be about the same as last year, but the quality will be much better.—G. L. Williams, mgr. Galva Grain Eltr. Co.

Chicago, Ill., Oct. 12.—I have just returned from a 30 days' trip thru Illinois and Iowa and saw the biggest corn crop I ever saw. Farmers are selling very little grain at present prices.—H. Clay Shaw of Rosenbaum Bros.

INDIANA.

Indianapolis, Ind., Oct. 11.—I look for new corn the middle of October.—Wm. Greiner.

Monon, Ind., Oct. 20.—Corn is all matured, quality is going to be good. Farmers will commence husking in a week or ten days.—C. M. Horner.

Monon, Ind., Oct. 20.—Corn will yield from 40 to 70 bus. per acre, and be of good quality, acreage is 33⅓% larger than last year, practically all the old corn is in.—J. L. Hoesel.

Wabash, Ind., Oct. 21.—Corn is in good condition and we will get 90% of last year's crop. It is well matured and quality will be excellent, 5% of the old corn in farmers' hands.—W. A. Elward.

Rensselaer, Ind., Oct. 20.—Quality and yield of corn will be fully as good as the average, condition is normal. Oats were of fine quality, fair yield; 5% of the old corn in farmers' hands.—J. L. Brady.

Logansport, Ind., Oct. 21.—Will have a bumper crop of corn, fine quality and yield, 5% of the old corn is in farmers' hands. Growing wheat is looking good, 10% more wheat sown than last year.—Bishop Elevator Co.

Rensselaer, Ind., Oct. 20.—The quality and yield of corn may not be as good as last year, but the acreage is much larger and we will probably have the largest corn crop we have had in the history of the county.—W. C. Babcock, Babcock & Hopkins.

Wabash, Ind., Oct. 21.—Growing wheat is in fair condition, early sown has some fly, 50% more wheat sown than last year. Farmers are fertilizing their ground more and more each year; 35% of the wheat is in farmers' hands, holding for higher prices.—H. S. King & Son.

Monticello, Ind.—Will have an average corn crop of good quality; acreage fully as large as last year. Farmers will not begin husking until weather conditions are more favorable for storing. The oats crop was never better, all threshed and binned without any weather stains from rain.—J. E. Loughry, pres. Loughry Mlg. & Grain Co.

Indianapolis, Ind., Oct. 22.—Farmers, who sowed wheat early in Huntington county and elsewhere along the Wabash bottom, are uneasy for fear it will joint before its growth is retarded, as it is now more than a foot high. The Hessian fly is reported working in many fields. Reports from different sections of the state indicate that much corn put in shock early to seed the ground, is badly damaged by mould due to continued rains.—F.

IOWA.

Chariton, Ia., Sept. 28.—Prospects for corn are good.—G. J. Stewart & Co.

George, Ia., Oct. 5.—Corn and oats good crops; barley good, but quantity small.—Farmers Elevator Co.

Creston, Ia., Sept. 27.—Corn is looking good; fully an average crop; acreage heavier than last year.—Wray Bros.

Burlington, Ia., Sept. 30.—Corn in good condition and will average about 35 bus. per acre.—N. R. Derby, mgr. Derby Mills Co.

Fairfield, Ia., Sept. 28.—Practically all of the corn is out of the way of frost and we will have nearly full crop.—J. H. Stuckey.

Osceola, Ia., Sept. 28.—Corn is looking good and we will have a full average crop; about 85% of the corn is out of the way of frost.—Talbot Grain Co.

Malvern, Ia., Sept. 26.—About 10% more wheat will be sown this year; farmers holding wheat for higher prices.—E. L. Donner.

Batavia, Ia., Sept. 28.—Will have about 90% of a full crop of corn; quality will be excellent. Farmers have sown considerable more wheat than last year.—W. S. Campbell, mgr. Koons & Walker.

Malvern, Ia., Sept. 26.—Corn will be 65% of a crop; quality will be better; 10% of the old corn in farmers' hands.—G. W. Wyant.

South English, Ia., Oct. 12.—Good prospects for corn crop, which is in fairly good shape too, out of the way of frost.—O. K. Morrison, Howe Lbr. Co.

Corning, Ia., Sept. 27.—Prospects for corn better than last year; acreage is 10% larger; all the old corn is in. Wheat and oats were excellent.—Joe Drennan.

Hartwick, Ia., Sept. 26.—Farmers are disposed to move their grain freely, especially corn; 95% of the corn in this territory is out of the way of frost.—Jas. McCarty Eltr. Co.

Dedham, Ia., Oct. 19.—Had a soaking rain yesterday and is getting cold enough to freeze tonight. Some farmers have begun picking corn. A week of threshing will finish all.—H. W. Pollock & Co.

Villisca, Ia., Sept. 27.—A good average crop of corn; quality will be much better than last year; had frost last night, but not enough to injure the corn; acreage 5% larger than last year; practically all the old corn in farmers' hands.—D. Whitmyer.

Moneta, Ia., Oct. 19.—Our crops can't be beat this year. Oats yield, 50 to 60 bus. per acre; barley, 40; corn, about 50. Fine July weather, it is so hot. Corn is well matured and ready to go into the cribs. Corn picking is starting.—Henry Ruwe, mgr. Farmers Eltr. Co.

Slifer Sta., Gowrie p. o., Ia., Sept. 27.—So far the movement of grain has been light, but we have a large yield and a good quality of oats to handle and the largest crop of corn ever grown in this county. We have had a few light frosts that did no damage. Threshing out of the stack is in full progress. Fall plowing is about finished. Corn husking will begin about Oct. 20.—H. W. Ault, mgr. Slifer Eltr. Co.

Des Moines, Ia., Oct. 1.—Amount of wheat in farmers' hands compared with what they held last year at this date is now 116% in the northern section of Iowa, 95% in the central and 103% in the southern part of the state; old corn in farmers' hands in the three sections, north, central and south, 87%, 93%, 78%; oats, 99%, 111%, 114%. Stocks in shippers' hands in the three sections, compared with those held at this date last year, of wheat are estimated at 91%, 92% and 90%; corn, 80%, 76%, 89%; oats, 90%, 102%, 106%. Acreage of winter wheat now sown, compared with that of last year at this date, is 155% in the northern section, 123% in central and 120% in the southern section of Iowa. Average yield of corn per acre, if not injured by frost, is estimated at 39 bus. in northern section, 40 in central and 41 bus. in southern section.—George A. Wells, sec'y Western G. D. Ass'n.

KANSAS.

Seguin, Kan., Oct. 6.—Corn no good.—G. W. Hummell.

Linn, Kan., Sept. 26.—Expect good corn crop this season, but nothing doing in wheat.—S.

Russell, Kan., Oct. 12.—We had a 20-bu. crop of wheat around Russell. Corn is fair.—A. L. Boyd.

Manhattan, Kan., Oct. 12.—Fine corn crop here this year, will be considerable feeding.—Geo. T. Fielding & Sons.

Palco, Kan., Oct. 8.—Corn is very poor, not over 25% of a crop. Feeders are buying up the old corn at 20c above market price.—C. H. Wagner, mgr. C. E. Robinson.

Kismet, Kan., Oct. 5.—A larger acreage of wheat is being sown than last year and we will have fair crops of milo maize and kaffir corn.—H. B. Hayes, mgr. J. H. Collingwood & Co.

Culver, Kan., Oct. 9.—Seeding is practically over and in good shape; 80% of the threshing done and 50% of crop moved. Corn in excellent shape.—Jno. E. Hughes, mgr. Culver Grain & L. S. Ass'n.

MICHIGAN.

Lansing, Mich., Oct. 7.—The final estimated yield of wheat in the state is 19 bus., in the southern counties 18, in the central counties 22, in the northern counties 20 and in the upper peninsula 16 bus. per acre. A few correspondents report wheat affected with smut, otherwise the quality is good. Estimated total yield for state is 15,200,000 bus. During September farmers marketed 445,478 bus. Forty grain dealers, eltrs. and mills report no wheat marketed in September. Estimated total amount of wheat marketed during August and Sept., 2,750,000 bus. Acreage sown this fall, compared with average sown in the last five years is 104%; average date of sowing wheat is Sept. 16. The acreage sown to rye this fall compared with the

average for the last five years is 87%; estimated acreage of rye harvested, 372,300 acres; yield, 5,956,800 bus. Estimated average yield of barley per acre is 24 bus; estimated acreage harvested, 73,400 acres; yield, 1,761,600 bus. Estimated average yield per acre of oats is 31 bus.; estimated acreage harvested is 1,498,000 acres producing 46,438,000 bus. The estimated average yield of corn per acre is 32 bus.; estimated acreage harvested, 1,698,900 acres; yield, 54,364,800 bus. Estimated average yield of buckwheat per acre is 15 bus.; estimated acreage harvested, 51,900 acres producing 778,500 bus. Estimated yield of beans per acre in the state is 13 bus.; estimated acreage harvested, 470,250 acres; yield, 6,113,250 bus.—Frederick C. Martindale, sec'y of state.

MISSOURI.

Axtell, Mo., Oct. 12.—More corn will be shipped out of this station than ever before.—C. F. Smiley.

Clearmont Mo., Oct. 12.—Corn is good here this year and there will probably be some to ship, altho as a rule the home demand takes all raised.—A. H. Garrett.

Lee's Summit, Mo., Oct. 20.—We had the best wheat and oats this year ever grown here. Corn never better. The largest acreage of wheat in a number of years.—E. P. Clark.

Skidmore, Mo., Oct. 14.—Our corn crop has made wonderful growth and will make ¾ of a crop. Oats the best in 20 years. The winter wheat was winter killed and made about ¼ of a crop.—E. Bosley.

Columbia, Mo., Oct. 1.—The condition of corn, for the state, is 85.8% as compared with 82% one month ago, 68.8% one year ago and 73.5% as the ten-year average. The crop is more spotted than for a number of years. Owing to the cold spring, many fields were planted a second and even a third time, which corn is likely to be immature and in poor market condition. It is estimated that 70.6% of the crop is now safe from the frost as compared with 90.8% last year. A comparatively small amount has been harvested for fodder. Much corn is down and too badly tangled to cut, while farm labor is also scarce. There will be considerable corn to ship, correspondents figures indicating 10.8% as compared with 5.3% last year. The percentage of wheat in is 46.6%, compared with 50% one year ago. The condition of the soil for seeding is 87.6% and the probable acreage as compared with last year is estimated at 97.8%. Rain has delayed wheat sowing in some localities, while in others where the Hessian fly was bad last season farmers have preferred to seed ground later. Wheat that is up is starting off in fine shape.—T. C. Wilson, sec'y Missouri State Board of Agriculture.

NEBRASKA.

Ashland, Neb., Sept. 24.—Will have more corn than last year; about 5% of the old corn in farmers' hands.—E. J. Rose.

Louisville, Neb., Sept. 24.—Have 10% more corn than last year; 7% of the old corn in farmers' hands.—S. C. Keckler, Keckler & Shafer.

Phillips, Neb., Oct. 20.—Weather has been fine for ripening corn. Farmers will begin picking in a few days.—E. C. Purdy, mgr. Phillips Grain Co.

Weeping Water, Neb., Sept. 24.—Corn crop is three weeks late; more corn than last year; 5% of the old corn in farmers' hands.—E. F. Marshall.

Holdrege, Neb., Oct. 23.—Wheat is moving pretty slow out here; in fact there is no great amount to move.—A. J. Mann, of B. C. Christopher & Co.

Weeping Water, Neb., Sept. 24.—Quality of wheat and oats never better; good yield. About 25% more wheat was sown than last year. Farmers are holding wheat—E. E. Day.

Louisville, Neb., Sept. 24.—Wheat and oats good crops; quality never better. About 30% more fall wheat will be sown. Holding wheat for higher prices.—P. A. Jacobson, agt. Duff Grain Co.

Greenwood, Neb., Sept. 23.—Expect 15% more corn than last year. About 15% more wheat sown than last year; about 10% of old corn in farmers' hands.—W. E. Pailing, mgr. Farmers' Grain & Stock Co.

Dresden, N. D., Oct. 1.—Threshing is all done in Cavalier county and not a bushel shipped out from any of the four eltrs. that are open here. This is the result of an extremely dry season. Corn and oats from Iowa and Minn. is being shipped in here and is for sale by all of the eltrs. here. The farmers and business men here, however, are not quitters and 1911 will see the greatest acreage in the history of this, the best county in North Dakota.—T. K. Kavanagh, agt. National Eltr. Co.

NORTH DAKOTA.

Penn, N. D., Sept. 28.—The crops here are very light, but the quality is very good.—H. C. Kornder.

Eckelson, N. D., Oct. 17.—Wheat averaged 5 bus., durum, 4 bus., flax, 1½ bus., oats, 8 bus. and barley 6 bus. per acre.—P. E. Knudson, mgr. Eckelson Farmers Eltr. Co.

OHIO.

Houston, O., Oct. 2.—Corn cutting has begun; crop about 20% lighter than last year.—C. H. Ginn, mgr. Farmers Eltr. Co.

St. Mary's, O., Oct. 10.—The recent rains were not good for the corn in shock but no great damage was done.—D. W. Jay, pres. Jay Grain Co.

Middlepoint, O., Oct. 7.—This county promises 100% of a corn crop of excellent quality but 3 weeks late. Had 100% of an oats crop, the best ever.—H. G. Pollock.

New Carlisle, O., Oct. 6.—Corn crop in Ohio will make about ⅔ of normal. Good yield of oats of good weight and color, but the farmers are holding because of the low price.—S. A. Muff.

Delphos, O., Oct. 8.—No grain moving at present on account of farmers being busy with their fall work and prices being so low. Considerable new corn will move at husking time. Crop here very good.—Lutz. Barat & Lutz.

Savona, O., Oct. 4.—Wheat is nearly all sown and looks fine. Corn is making 90% of a crop here and 100% at Dawn, O. It is curing out real well. A third of the oats is in the farmers' hands.—Leslie De Bolt, of De Bolt & Niswonger.

Sidney, O., Sept. 26.—The corn crop in Shelby county, east of the Miami River, will be nearly if not quite as large as last year, which was a bumper. West of the river they will not have more than 80% of last year's crop on account of dry weather early in the summer. The recent rains have put the ground in fine shape for wheat seeding and a large acreage is being sown.—E. T. Custenborder, mgr. Adlard & Persinger Grain Co.

Toledo, O., Oct. 1.—We had a nice crop of oats. Old corn is moving freely and commanding as good a price as new. The farmer will be wise to sell the new and keep the old in the cribs; tho for my part I'd rather have the old than the new. I think the corn crop expectations are overestimated; never saw a drouth crop three weeks late amount to a bumper crop. The cobs I've seen are long, but a lot of corn is missing on the ends.—F. O. Paddock.

Columbus, O.—Assessors' returns show that there were 1,942,599 acres sown to wheat which with an average yield of 16 bus. would mean that the state will produce a total of 31,229,206 bus.; compared with 27,393,344 bus. produced in 1909. The condition of wheat is given at 93% as against 87% last year. Farmers hold 7% of last year's crop. The break in the long drouth put the ground in fine condition for seeding and where early sown shows a thriving condition. Much of the present corn ground will be put to wheat. The oats crop averaged 38 bus. per acre producing a total of 54,094.054 bus., an increase of 5,000,000 bus. Quality is 100% Barley averages 27 bus. indicating a production of 461.165 bus., while rye averages 15 bus. meaning a production of 995.239 bus. The corn crop is estimated at 81% of normal or 87,156,178 bus. The cause of the shortage was the mid-summer drouth.—Ohio Dept. of Agriculture.

OKLAHOMA.

Inola, Okla., Oct. 3.—The drouth is at last broken and we are having a good rain which will enable the farmers to break ground for wheat. We can now take new corn by the 10th of this month, as it will be dry enough to shell by that time. A large acreage of wheat sown.—W. L. Harris.

Vinita, Okla., Oct. 1.—We have a fairly good crop of corn tributary to this point. A good wheat acreage, not large, but is or will be increased 75%. Oats a heavy crop and lots of them yet in the hands of the farmers. As much or more oats will be planted this year as were last.—G. A. Lyman, mgr. Union Grain Co.

Jet, Okla., Oct. 5.—Wheat sowing is backward this fall owing to the exceedingly dry weather. About half of the wheat is in the bins, the farmers holding for higher prices. No corn at all, will have to ship in for home demand.—J. O. Barrett.

Guthrie, Okla.—The prospective production of corn is 52.1% of a normal crop, compared with 55.7% last season. Last year's yield was 70,606,250 bus. The acreage planted this year shows an increase of 11% over last year. The prospective production of cowpeas and kafir corn will be from 15 to 20% better than last year, which is much above normal. The production of cowpea seed is 84.3%, compared with 51% last year. The production of forage is 84%, compared with 56.2% last year. The production of kafir corn grain is reported at 86.4%, compared with 60.7% last year. The acreage of kafir corn is 3% greater this season than last. The production of milo maize is 87.2%, compared with 64.2% last year. The prospective production of broom corn is 88.1%, against 59.8% last year. The condition of alfalfa on Sept. 25 was 79.2%, against 48.3% last year.—Oklahoma State Board of Agriculture.

SOUTH DAKOTA.

Gregory, S. D., Sept. 22.—Crops here are turning out better than was expected. Wheat runs from 6 to 25 bus. per acre. The fall wheat is more or less mixed with rye. Quality of the oats is good.—Wm. Krotter Co.

Dolton, S. D., Oct. 8.—The corn stand in this vicinity is better than last year but the quality will not be as good. I have seen corn from 5 different fields. Very small and soft.—G. G. Stahl, mgr. Farmers Eltr. Co.

VERMONT.

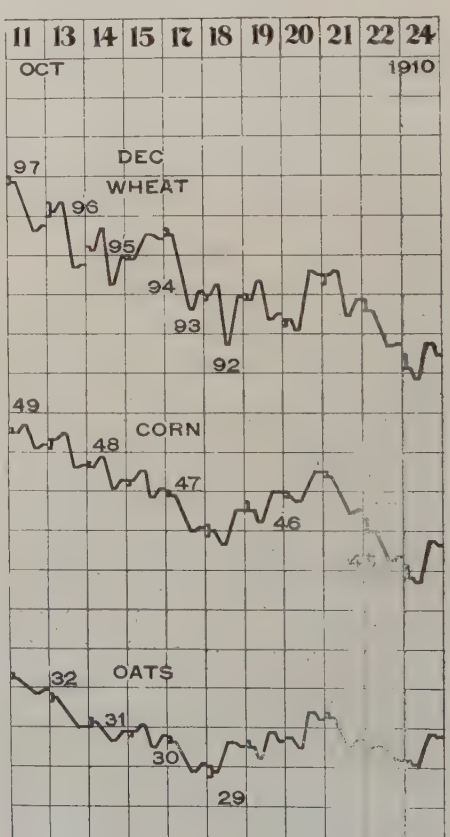
Burlington, Vt., Oct. 19.—Crops of all kinds are very heavy in the Champlain Valley and this year's yield is a record breaker. The surplus hay is being pressed and shipped at good prices. Farmers are not buying feeds as formerly on account of their larger crops.—Jone. & Isham.

WISCONSIN.

Burkhardt, Wis., Sept. 24.—A small amount of grain is received from the farmers, the yield being very light. Wheat, rye and oats coming in but scarcely any barley. The quality of the wheat is the best in years. Barley is of good color, also oats, but light weight. Rye is good. Farmers are short of hay and some has been shipped in from the Southwest.—Burkhardt Mlg. & Elec. Power Co.

Chicago Prices

The opening, high, low and closing quotations on wheat, corn and oats for the December delivery at Chicago for 2 weeks prior to Oct. 25, are given on the chart herewith.



New Fireproof Grain Elevator of Boston & Albany Railroad at East Boston, Mass.

By C. WALLACE EDWARD.

Boston has always occupied a prominent place among the Atlantic ports exporting grain to Europe. Notwithstanding the port has never had a large number of elevators, it has generally handled a fair share of each season's exports, as is shown by the following table:

Year.	Wheat. bus.	Corn. bus.	Oats. bus.	Barley. bus.
1880..	3,296,901	11,612,695	89,706	12,695
1885..	1,676,067	3,643,788	462,337	18,472
1890..	497,176	4,595,651	528,275	10,219
1895..	5,210,079	5,664,192	83,000	30,207
1896..12,731,450		6,136,603	2,147,637	181,352
1897..12,143,204		9,464,163	5,471,275	158,050
1898..13,921,229		11,799,265	8,720,931	64,968
1899..12,931,292		17,438,813	5,241,677	1,503,052
1900..11,925,415		13,893,525	4,518,168	802,347
1901..20,084,378		11,044,197	3,979,084	
1905.. 4,595,703		10,698,317	1,155,156	897,578
1906..11,702,718		4,098,140	1,190,156	1,213,743
1907..12,644,466		5,667,504	90,212	65,665
1908..10,777,227		1,058,351	65,739	225,726

The Boston & Maine elevators at Boston have storage room for about one and a half million bushels. In the new million-bushel Boston & Albany elevator which is illustrated herewith, the port has a plant of which all grain exporters of that city will be proud. Boston's low ocean freight rates to European ports shud help to keep the elevator busy.

THE CHARGE for elevating grain through these elevators, which includes storage and insurance for 20 days is 9/10 of a cent per bushel and ⅛c per bushel for each succeeding ten days or fraction thereof. Blowing and screening cost ⅛c per bu. Domestic grain is dried for 2½c per bu., export 1½c. Steamer corn is dried for ¾c; No. 3, No. 4, corn and rejected oats for 1c per bu. The charge for both elevating and drying is on the basis of gross weight and the storage charge is on the net weight of dried grain.

While a majority of Boston's grain dealers are brokers and distributors to the interior trade, the exporters handle the larger volume of business, so that the port's elevators are designed primarily to handle export grain. In the new plant of the Boston & Albany Railroad, which is now operated by the New York Central & Hudson River Railroad lessee, is found all the latest and best ideas in construction, arrangement and handling facilities.

THE BUILDING which is a steel uphouse, is 73x269 feet, 185 feet high. Its foundation of reinforced concrete, rests on 2,600 piles. The bin story contains 192 hopper bottomed steel bins of patented construction, which rest on steel columns and girders. Each bin is equipped with Munn Patent Bin Valves attached to Universal Bin Castings which will fit a variety of slopes. All of the first story columns and all of the extra columns for cupola are encased in tile. The end walls of the elevator and the side walls up to the side roofs are covered with heavy brick walls, while the side walls of cupola are covered with tile. The roofs are of book tile covered with composition. All windows have metal frames and wire glass supplied by the Sykes Steel Roofing Company, which also supplied the gutters and water spouts. All doors used throughout the plant are according to the Underwriters' specifications, even the outside team and track roller doors being of steel. All floors are of reinforced concrete. Along the street side of elevator extends a canopy to protect teams loading grain from the sacking platform for local trade.

The first story is 26 feet high, the bin story is 72 feet high, distributing story, 19 feet, 6 inches; conveyor story, 16 feet, 10 inches; scales story, 17 feet; garner's story, 17 feet; and top story, 15 feet high.

Communication between the different stories is by either of two stairways. At the west end of plant is a brick stair tower, 16x20 feet extending to the top of cupola, which contains in addition to the stairway, a passenger elevator of 2,000 pounds capacity, which is operated by electricity and controlled by push buttons. At the opposite end of the elevator, affording communication between the distributing floor and the ground is a spiral stairway or fire escape enclosed by a corrugated galvanized iron casing.

An office 14'x14' is provided on the first floor adjacent to passenger elevator and switch board room for Superintendent A. F. Dow.

A dummy elevator affords quick con-



Foundation New B. & A. R. R. Elevator at East Boston, Mass.

veyance for scale tickets from the weighman's office on scale floor to ground floor.

The Equipment.

The elevator is equipped with 19 legs encased in steel. The 6 receiving legs, the 6 shipping legs and the 5 cleaning legs are equipped with 7x7x20-inch buckets, attached to 22-inch 6-ply rubber belting, supplied by the Gutta Percha and Rubber Manufacturing Co., who also supplied all the rest of the belting used in the plant. These legs are set in steel boot tanks and their 84-inch head pulleys which are covered with rubber run 28 revolutions per minute. The two drier legs are equipped with 7x7x12-inch buckets, attached to 14-inch 5-ply rubber belts and run over 60-inch head pulleys.

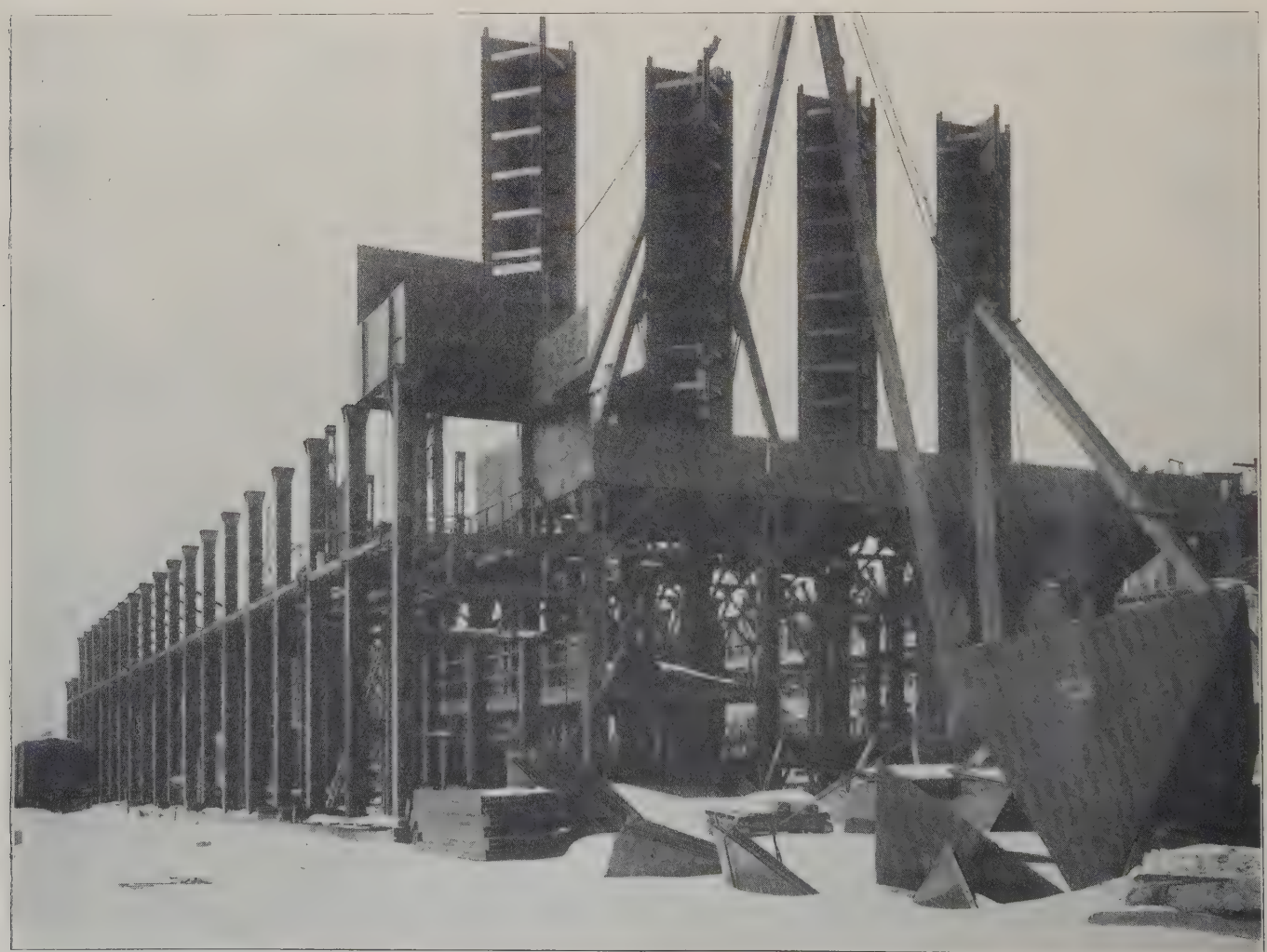
On each side of the boots, of the six receiving legs is a receiving pit of carload capacity, made of steel and covered with heavy iron gratings supporting a heavy wire screen with 1½ inch mesh. The boots of all elevators are equipped with Webster Dust Proof Ring Oil Bearings.

Six pairs of Clark Power Shovels are so placed between the tracks as to unload grain from either of the two tracks thru house. A heavy geared car puller with four drums operates four ¾ inch steel wire cables with heavy car puller hooks attached. A system of haul-back cables with grip, is also provided for drawing out the heavy car puller cables when desired. One loading spout with a drop of 90 feet is provided for emergency use. It has a telescope sleeve so that bifurcated discharge can be raised or lowered as desired in loading cars of different sizes.

As most of the grain handled through the elevator must have its identity preserved, grain cleaning facilities are provided greatly in excess of the actual needs of the plant so as to avoid delays. Ten Eureka Separators made by the S. Howes Company, are arranged in pairs beside the cleaner legs on the first floor. Five of these cleaners are of the latest type, largest size, Eureka Compound Shake, Counterbalanced Separators, equipped with two fans and two shoes, making two aspirations, one on the head as the grain leaves the feed hopper and passes to the scalping screen, and second as the clean grain leaves the machine. The five single receiving separators are the Eureka Compound Shake two-fan, two-shoe cleaners, making one aspiration on the head. All of these machines are the latest improved design and covered outside and inside with sheet steel. Duplicate sets of screens are supplied with each machine for fine and coarse work.

WEIGHING FACILITIES: Along the street side of the elevator in first story, full length of building is a sacking room, and from a trolley operating on track extending full length of this room, hangs two Fairbanks Automatic Scales, designed for sacking grain for local trade. In the scale story of cupola are 6 Fairbanks Receiving Scales with 2,000-bu. hoppers, 6 Fairbanks Shipping Scales and 5 Fairbanks Cleaner Scales with hoppers of 1,000 bus. capacity. All hoppers are of steel with conical tops and bottoms and each scale is equipped with type recording beams. Above each of the scale hoppers is a square steel garner of 2,000 bushels capacity. A round vent pipe 15 inches in diameter, connects each scale hopper with the garner above it so as to permit the dust laden air to pass from the scale hopper up to the garner as the grain drops from garner to hopper.

DISTRIBUTING: A very convenient yet comprehensive system of spouting has been installed both in the elevator and in the shipping conveyor towers, to facilitate the rapid handling of grain in all directions desired. Running full length of the conveyor floor is a 36-inch, 4-ply reversible belt conveyor and equipped with reversible tripper and 2 movable loaders. The distributing story of the elevator is equipped with 24 Munn Telescope Distributing Spouts, with ball-bearings and so constructed that each can be easily handled by one man. The telescoping is accomplished by means of anti-friction rollers running on tracks attached to either of the two sections of spout. These spouts are 16 inches wide, rectangular in cross section and have a range of an extreme radius of 18 feet. They may be closed up to a radius of 2 feet, thus giving a wide range for distribution of grain. The form of this spout permits the grain to pass from scale hopper through spout to bin below without its flow being retarded by change of direction, size or shape of stream.



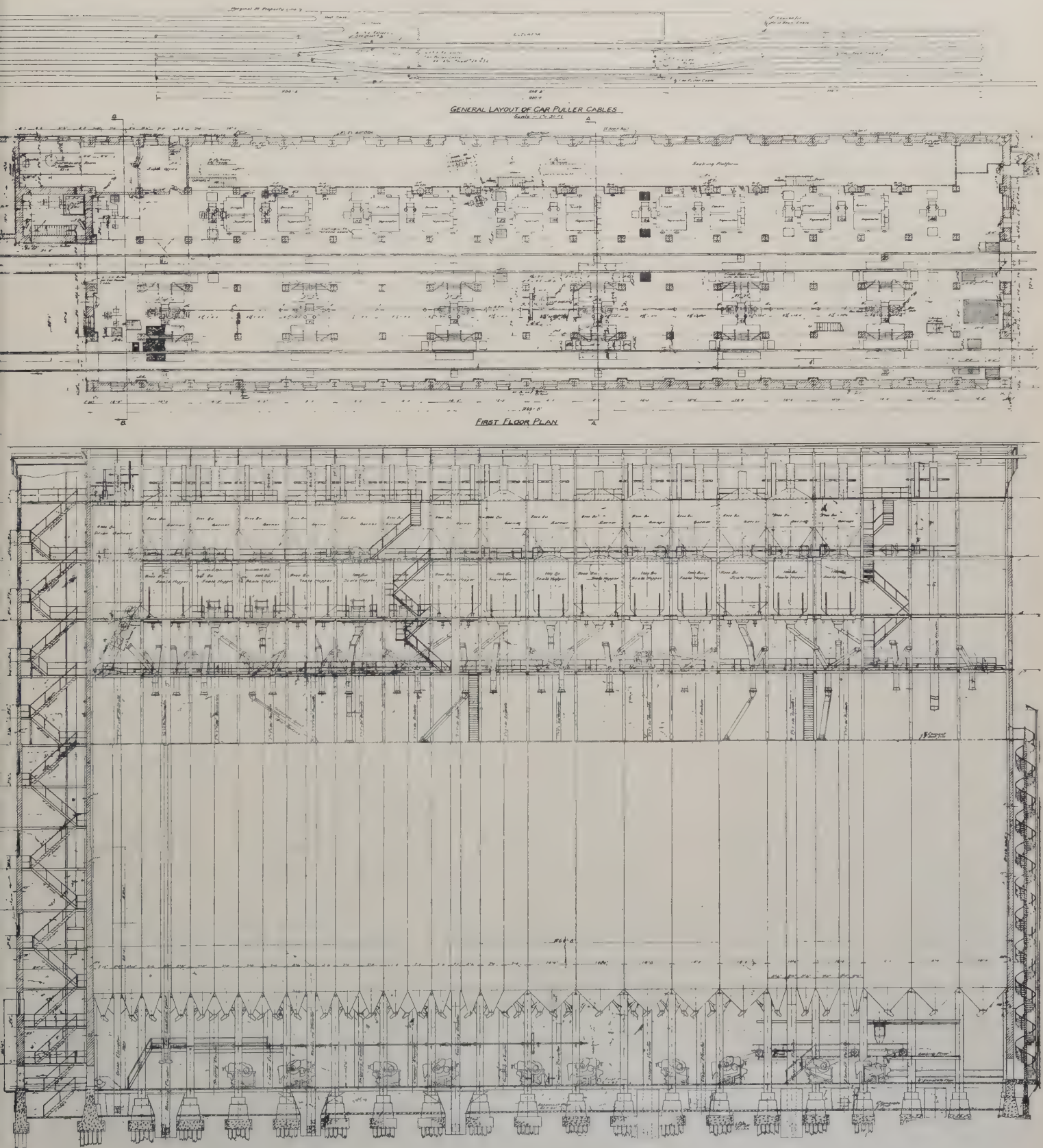
Steel Frame Work First Story and Start of Bins of New B. & A. R. R. Elevator at Boston.

All clutch sheaves and pulleys are equipped with Webster Steel Plate Friction Clutches. All bearings are of the ring-oiling, dust proof type, mounted on hardwood liners. All elevating, conveying and power transmitting machinery was supplied by the Webster Mfg. Co.

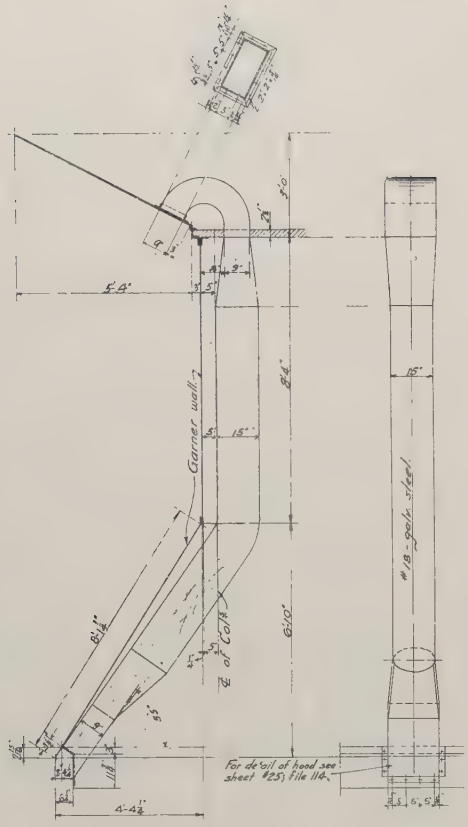
The entire plant is equipped with a system of incandescent lights advantageously located. A push button intercommunicating telephone system with 32 stations affords easy communication between all departments. A system of electric colored lamp signals operated by push buttons, connects first story with scale floor. A complete system of electric signal bells has also been installed.

Belt Conveyor System.

On the water side of the elevator is a row of 8 shipping bins raised so as to admit a shipping conveyor gallery over the tracks in the elevator. These bins have storage capacity for 9,000 and 10,000 bushels each. From each end of this conveyor gallery leads a gallery out over the



Longitudinal Section, First Floor Plan and Layout of Car Puller Cables, New B. & A. R. R. Elevator at Boston.



Air Pipe from Scale Hopper to Garner.

yard tracks to distributing towers F and G at the water's edge. From these two towers, galleries lead to other towers and to wharf galleries over the pier warehouses.

THE SHIPPING GALLERY in the elevator is equipped with one long 36-inch reversible and two short 36-inch belt conveyors running in opposite directions. The galleries to towers F and G each contain two 36-inch belt conveyors. The gallery leading from tower F to tower B contains two 36-inch belt conveyors. The gallery from tower F to tower G contains 1 reversible 36-inch belt conveyor. The gallery from tower B to tower A and all the wharf galleries contain 36-inch belt conveyors. The six wharf galleries beside the slips are so arranged that three boats can be loaded at one time in any position, while if favorably located, four may be loaded at one and the same time.

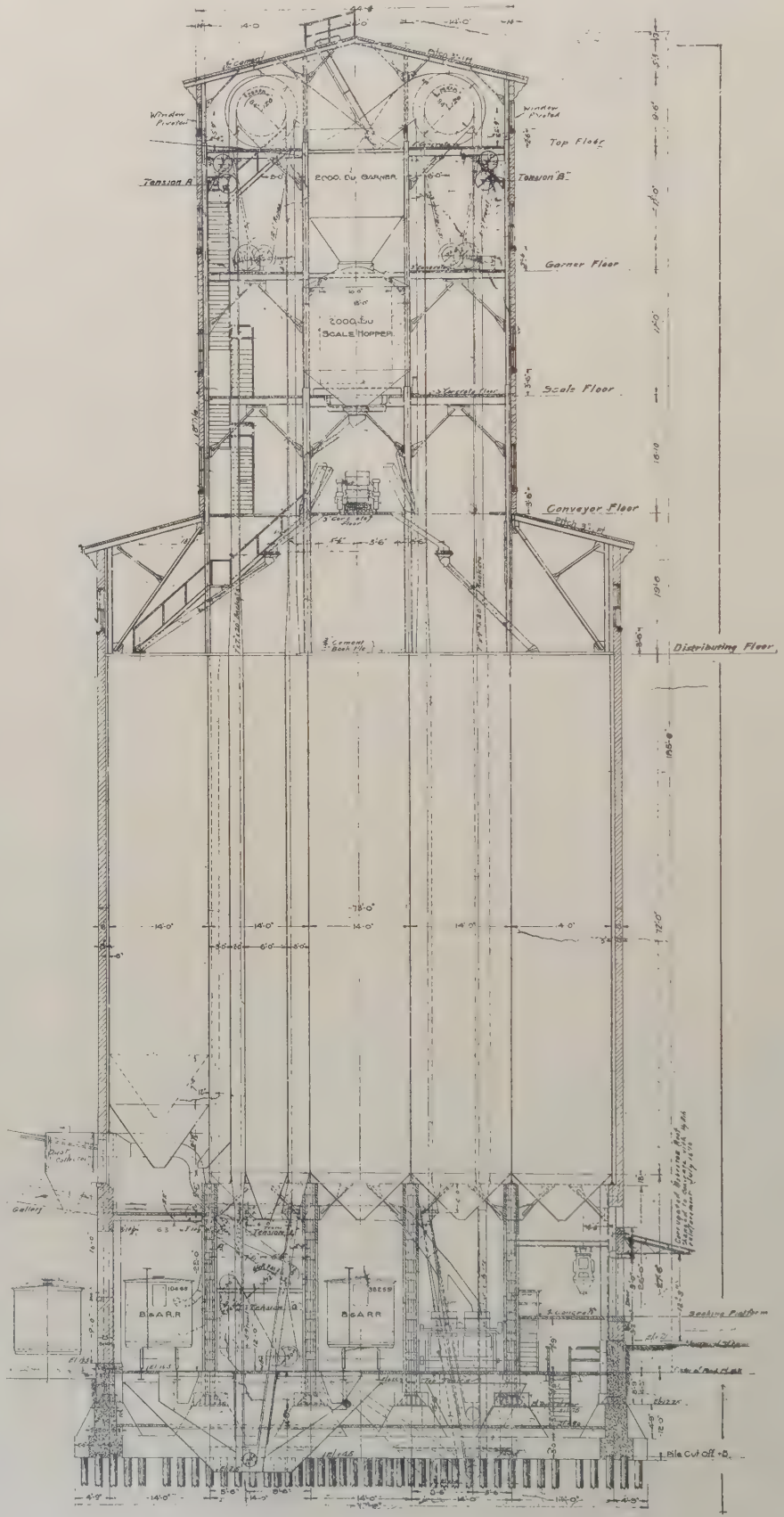
By means of special spouting and reversible belts, grain may be diverted from towers F and G in four different directions, this being effected by a combination of spouting in connection with rotary distributing hoppers of a special design, which simplifies the distribution of grain received from house belts to belts running in various directions.

The floors of the wharf galleries are 66 feet above floor of wharf. Each wharf gallery belt is equipped with Webster Trippers which divert the grain to 50 wharf loading spouts of novel design placed along the galleries at frequent intervals.

The Dust Collecting System.

No up-to-date grain man would today consider erecting a grain handling plant without contracting for its equipment with a complete modern dust collecting system. In no other way can the elevator be kept clean, in no other way can the danger of dust explosion be reduced to a minimum. The insurance companies are so deeply impressed with the advantage of a modern dust collector system that they voluntarily reduced the cost of insurance sufficiently to off-set the cost of the system in a few years, so that in reality they pay to have the dust hazard eliminated. As the result of short-sighted parsimony, a few elevators have been equipped so as to carry away the dust from the cleaners, but the new Boston & Albany Elevator is equipped with a complete dust collecting system, perfect in every detail.

A few years ago many large cleaning elevators collected their dust and spouted



Cross Section New B. & A. R. R. Elevator at Boston.

it into the furnace, using it as fuel. The growing demand for mixed feedstuffs has put a stop to this waste of good material in nearly every elevator, so that most of the elevator dust is now sacked and sold for much more than its value as fuel.

The dust collecting system installed in the new elevator not only carries away the dust from each of the 10 cleaning machines, but also removes it from the garners in the cupola and from the elevator boots in the basement. Each floor, basement and belt gallery is bountifully supplied with sweepers, so that accumulated dust may be swept to the in-take of the system and drawn to a dust collector. Each cleaning machine is supplied with an improved Cyclone Dust Collector, hung on the outside of the elevator, the fans of the cleaning machines being properly connected.

THE FANS: Underneath the sacking floor in the first story is a large double fan which takes the dust from the sweepers in the basement, first floor, sacking floor, and conveyors galleries, from the boots and from the eleven dust collectors and blows it to a large Cyclone Dust Collector located over the dust house.

Another large double fan is located on the top floor of cupola and to it is connected the garners and the cupola sweeper system, in-takes being provided at convenient points on each floor. These fans discharge into two Cyclone Dust Collectors which delivers the dust to the fan below which conveys the dust to the collector over the dust house. This equipment is installed in what is known as slow speed, low power plan, larger air trunking being used and the blowers being run at half the speed of the old style high speed type thus effecting a considerable economy of power. All dust is first drawn into exhaust fan from the various points of the system through the main suction pipe and then blown through the discharged pipe to collector over the dust house. The main suction pipe is provided with an improved automatic grain trap which prevents any grain being conveyed to dust bin.

THE DUST HOUSE: From the Cyclone Dust Collector, over the dust house, the dust is dropped into dust bin which is equipped with a power agitator that prevents the clogging of the dust in outlet of dust bin and keeps a continual flow of material into the Eureka Dust Packer, by which it is packed into bags. The dust collecting system was designed and installed by the Cyclone Blow Pipe Company. Room is provided below to store sacks and packed dust.

Power Equipment.

The entire plant is electrically driven and enough motors used so that any part of the plant may be operated independently of the other should it be found advantageous to do so. The 46 motors used are poly-phase induction type 3 phase 60 cycle alternating current, circuits 440 volts with starting compensators, all made by the General Electric Company.

A motor of 100 h.p. operates the fan in the first story. One of similar capacity is used in towers A, C and E. A 75 h.p. motor is used in the drier house. One 75 h.p. operates the cupola fan. Two of like capacity operate the shipping conveyors and conveyors to towers F and G. One is used in tower F and one in tower B.

A motor of 55 h.p. is attached to each of the 17 receiving, shipping and cleaning legs. One motor of 50 h.p. is used in tower F and one in G. A 35-h.p. motor operates the driver legs, the shovel shaft and the car puller.

Five 20-h.p. motors operate the Eureka Double Separators. One 20-h.p. motor operates the belt conveyor in cupola. Five 15-h.p. motors operate the Eureka Single Separators, one operates the passenger elevator and one the reversible shipping belt conveyor. One 5-h.p. motor is used to operate the Eureka Dust Packer.

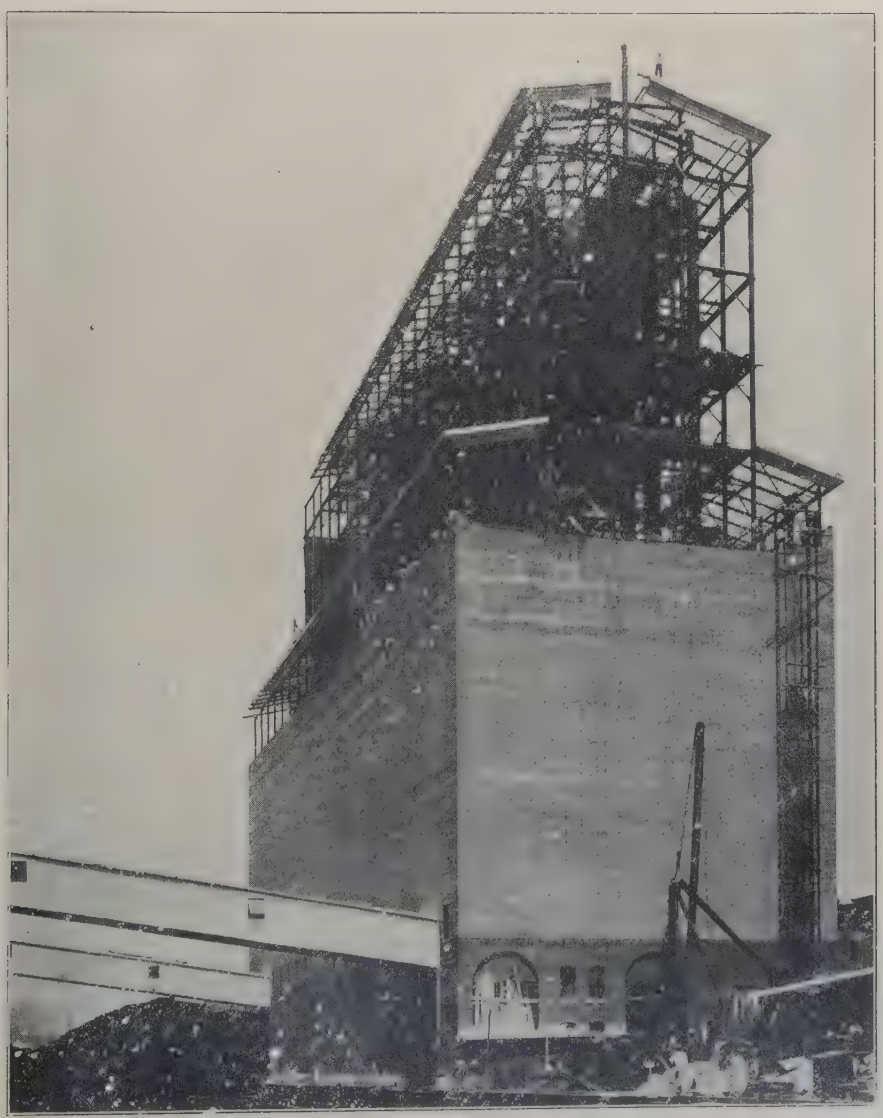
The electric current is supplied by the Boston-Edison Company, being received at the transformer station of the Boston & Albany R. R. and thence distributed to motors throughout the plant.

For stopping the motors a system of automatic control of the motor switches is operated by push buttons located thruout the elevator building and conveyor galleries, which may be used in case of emergency to stop all motors involved in sequences almost simultaneously.

All motors except that operating passenger elevator are controlled from the switchboard in the switchboard room.

All motors that drive slow running machinery are geared to countershafts with rawhide pinions and cut spur gears; the transmission between countershafts and head shafts are by means of manilla transmission rope. Motors for fans, cleaning machines and dust packer are belted direct to machines by leather belts.

SAFETY BRAKE: Experience has developed the fact that trouble is likely to occur in electrically driven elevator legs, due to breakage of transmission rope, breaking of wire or stoppage of electrical current through any cause which will result in delay and damage by the choking down of the leg. This has been overcome in this plant by the adoption of a new device, designed by the Witherspoon-Englar Company. It is a new feature and its success is naturally attracting considerable attention. This elevator head safety brake consists of a friction brake, which clasps the rim of the sheave on the head shaft actuated by hardened steel balls, running idle in the grooves of the sheaves, so long as it runs forward. The minute the sheave turns backward, the balls run upon wedge shaped pieces of steel and draw the brake shoe firmly against the inside face of the sheave, thus stopping the elevator and preventing its running backward, dumping its load and battering its buckets.



New Elevator B. & A. R. R. Nearing Completion.

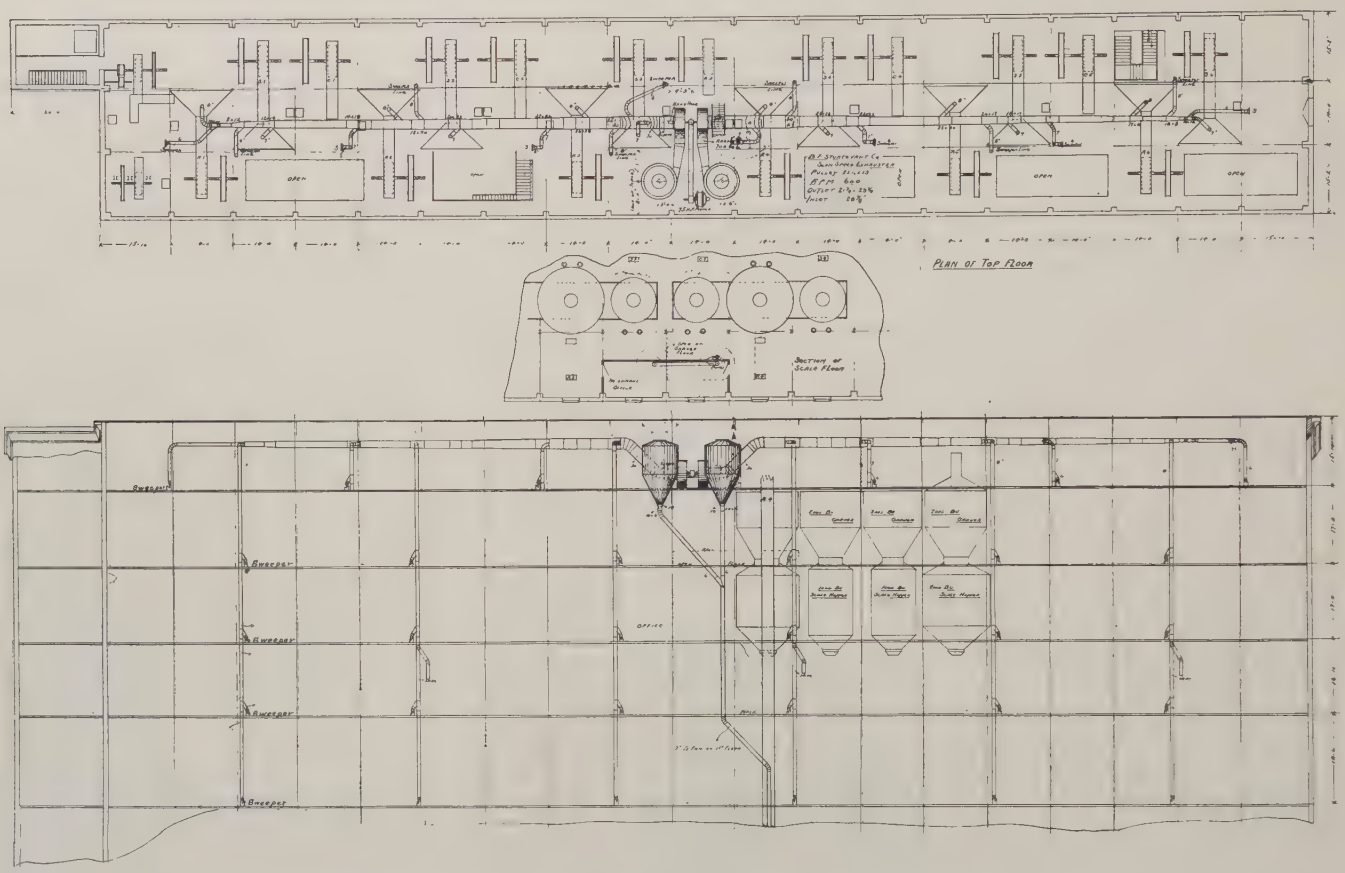
The Grain Drying Plant.

No grain handling equipment would be complete without a modern grain drier, and this B. & A. elevator, like each of the New York Central plants, is equipped with a Hess Drier of 1500 bus. per hour capacity.

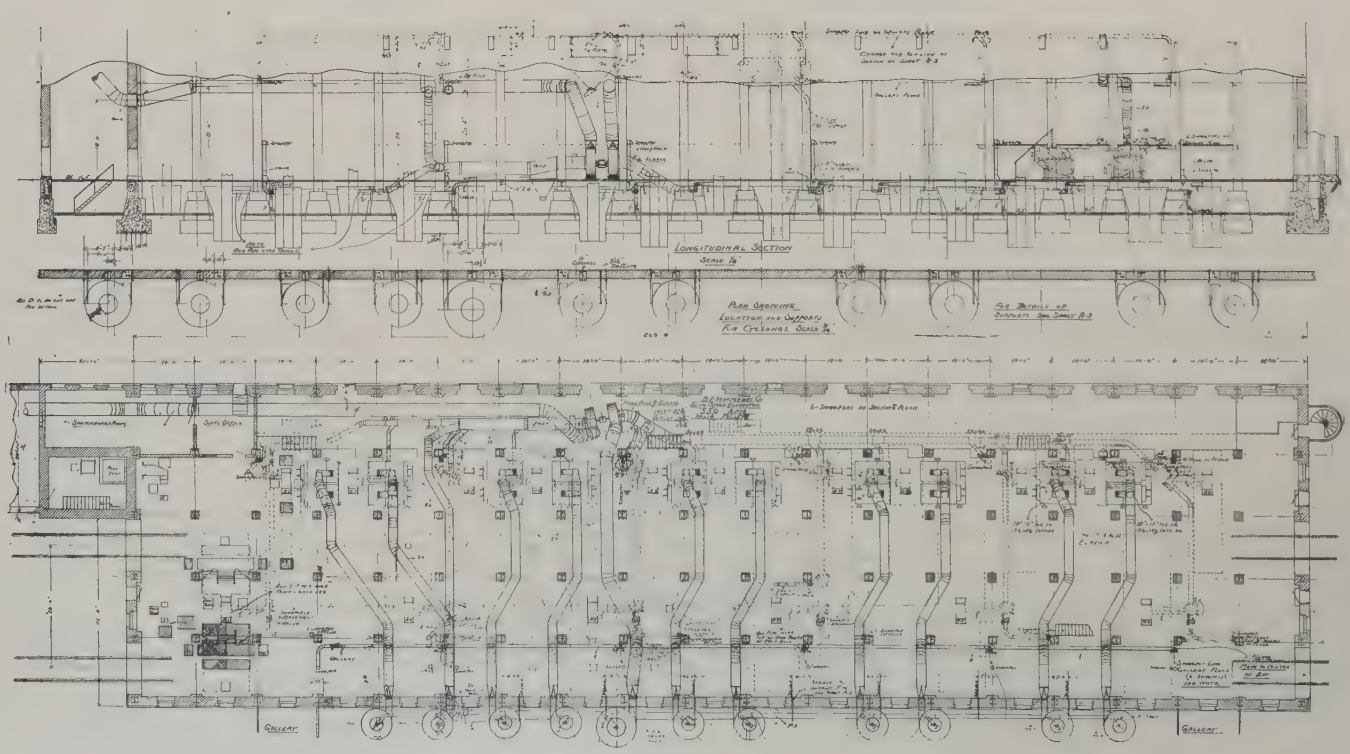
It is constructed of fire proof material and encased in a brick building 47x28 feet

and 50 feet high. This structure is shown in photograph and tracing elsewhere in this number. On top of the drier house is a steel penthouse covered with tile. Grain is spouted to the drier from distributing floor of elevator through a sheet steel spout 16 inches in diameter and 82 feet long, which is supported at bin floor of elevator and at penthouse and has a middle support at a corner of the stair tower.

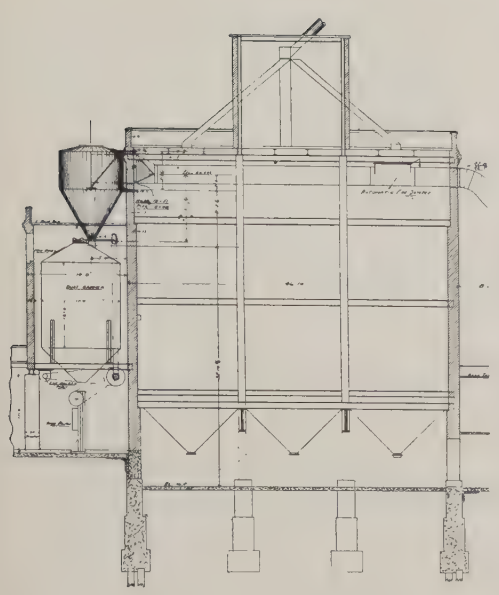
The drier's five miles of 1 inch steam pipe are intended to be kept filled with steam at 90 pounds pressure so that when in full operation a blast of 105,000 cubic feet of hot air and a suction of 105,000 cubic feet of cold air would be driven through the grain simultaneously every minute. Its six 8-foot fans require about 60 h.p. This Hess Drier is made up of about 30,000 pieces of metal weighing in all over 300,000 pounds. Galvanized steel and cast iron of the most substantial construction were used throughout. It is so arranged that one man can operate the entire drying plant and still have leisure time to spare.



Dust Piping and Sweepers in Cupola B. & A. R. R. Elevator at Boston.



The Dust Collecting System B. & A. R. R. Elevator. First Floor Plan and Longitudinal Section.



Dust House and Drier House.

THREE UNITS: The drier is divided into three units, each of which may be operated separately on different lots of grain or all may be operated as a single machine if desired. Grain after being dried is dropped from the hot air chamber to the cooling chamber below and is stirred during the drying and cooling operation entirely by gravity. The grain compartments contain no moving machinery. When the grain is in the dry compartment, it is subject to a blast of hot air ranging in temperature from 140 to 160 degrees Fahrenheit. All particles of grain are treated alike, heated air being applied to both sides of the grain columns.

Every part of the drier and the grain contained in it is visible during the drying operation and the operator has easy access to all the grain in the machine. Grain from the cooling chamber of the drier is dropped to a 24-inch belt conveyor and carried to the dried grain leg in the elevator. Beneath each of the heads of the two drier legs is a 4000 bus. bin, one for wet and one for dried grain. The plant being so arranged as to facilitate the operation of the drier when the rest of the elevator is idle.

Fire Protection.

The elevator is equipped with a complete system of fire service piping consisting of stand pipes with hose reels, Siamese, and hose connections with 28 outlets placed at accessible points about the building. The main supply pipe is 9 inches in diameter with a 6-inch branch leading into the basement and a 4-inch header running across the basement and connecting with two branches running lengthwise of the building. Branches of various sizes extend to yard hydrants, belt conveyors, galleries and each floor of the building, to stair tower and drier plant. All piping is on the dry pipe system, and arranged to be drained with 1¼ inch pipe.

All fittings, piping, joints, packing and valves are of approved design and of high grade material. Each hose valve is fitted with one 50-ft. section of hose, supplied with brass nozzle, screw tip and patented couplings. A swinging hose rack is provided for each length of hose and so hung as to facilitate its preservation and ready use. Water is supplied from an elevated reservoir or can be supplied direct from large pumps in pump and heating plant 400 yards distant.

The elevator was designed and erected by the Witherspoon-Englar Co.

Prices on all grain have been too high for the enormous crops we have raised. Last year the total crops of wheat, corn and oats were the largest on record and this year's will equal, if not exceed them and all grain is going to sell at a price the investor is willing to pay and carry the surplus.—*Southworth & Co.*

Talk as you may of better tillage, of better fertilization, of rotation of crops, and of the larger net profits per acre, to every tiller of the soil, if he would adopt these improved methods of farming; if you cannot show the average farmer where he can get competent labor at somewhat near fair wages, he is going to turn a deaf ear to all your pleadings for improvement. For efficient farm labor cannot be bought, cannot be hired, cannot be contracted for.—*Farmers Institute Annual.*



The New Fireproof Elevator of B. & A. R. R. at East Boston, Mass., Erected by Witherspoon-Englar Co.

Supreme Court Decisions

Sale of Good Will to Partner.—An agreement by an outgoing partner not to reengage in business in or adjacent to the same town in support of a contract for the sale of his interest need not be in writing.—Wooten v. Harris. Supreme Court of North Carolina. 68 S. E. 898.

Revocation of Arbitration.—The revocation of a submission to arbitration must be express, unless there is a revocation by implication of law, and, in case of an express revocation, notice must be given to the arbitrators.—Williams v. Branning Mfg. Co. Supreme Court of North Carolina. 68 S. E. 902.

Corn Grown on Indian Allotment.—A lessee of an Indian allottee could not maintain replevin to recover corn raised by a sublessee and gathered by him, or standing matured and ungathered in the fields, where such sublessee remained in possession of the allotment, though the sublease was void.—Wattenbarger v. Hall. Supreme Court of Oklahoma. 110 Pac. 911.

Contracts for Future Delivery.—Where, at the time cotton was sold for future delivery, it was the intention of the parties to actually deliver and receive the cotton, the fact that the purchaser, on being unable to get the actual cotton, accepted a payment in cash, did not render the transaction a gambling one.—Sprunt v. Hurst-Streator Co. U. S. Circuit Court, District of South Carolina. 180 Fed. 782.

Future Delivery of Goods.—Altho a contract contained the provision that on the decline of the market price of goods before delivery the seller may close out the contract and hold the buyer responsible for any loss, yet, if there was a bona fide intention of the parties that the goods should be actually delivered, the contract was valid under the statute making such bona fide intention of both parties at the time of making the contract the criterion.—W. S. Forbes & Co. v. W. M. & J. J. Pearson. Supreme Court of South Carolina. 68 S. E. 964.

Carrier's Liability on B/L.—Where connecting railroads, forming a through line, enter into an arrangement by which they employ an agent to solicit freight, and the agent issues a B/L before the initial carrier receives the goods and with knowledge that the B/L is to accompany a draft on the consignee, and the consignee pays the draft, but the goods are never received either by the consignee or any of the railroads, the consignee can recover the amount of the draft from the terminal carrier, since, apart from the question of partnership, there is a joint liability on the part of all the companies on whose behalf the B/L was issued.—Dulaney & Wharton v. Philadelphia & R. Ry. Co. Supreme Court of Pennsylvania. 77 Atl. 507.

Notice of Danger.—A contractor, engaged in the construction of an elevator, for which defendant had furnished steel hoppers, requested defendant to cut off certain projecting parts. Defendants sent an assistant foreman to the contractor's premises. The assistant foreman was requested to advise the contractor when he started on the work, because there was danger that something from above might fall down. The assistant foreman went to defendant's premises, and came back to the contractor's premises with a helper. The contractor was not advised when the work was commenced. A plank slipped from above and killed the helper. It is held that notice to the assistant foreman of the danger was notice to the master, and that defendant's assistant foreman was a vice principal, and not a fellow servant.—Lingren v. Mr. Bros Boiler Mfg. Co., Supreme Court of Minnesota. 127 N. W. 626.

Passing of Title to Carload Sold On 'Change.

Whenever the buyer of a carload of grain sold on the floor of a grain exchange fails to pay for the grain the seller finds himself confronted by the problem of regaining possession of the property after he has parted with the B/L, given a delivery order or accepted a worthless check.

On the legal question then arising as to whether title is in the seller or buyer the courts have given varying interpretations based on the custom of different markets, and even in one market the decisions have been contradictory, as in the recent Cincinnati case of the B. & O. S. W. Ry. Co. v. Good & Co., where a jury in the court of common pleas found against Good & Co., who appealed to the circuit court and got a judgment in their favor only to have it finally reversed against them by the Supreme Court of Ohio on June 7, 1910.

The facts are that the car of oats was shipped to Good & Co. at Cincinnati. They paid the draft and surrendered the B/L to the B. & O. Southwestern, and on the day sample was received from the official inspector sold the car on 'change at 30c a bushel to A. Bender, giving him the following written delivery order: "Please deliver to the order of A. Bender or A. Bender car 1427 oats consigned to us. Good & Co."

Bender sold the car the same day to Maguire & Co. at 29½c, turning over the delivery order and receiving a check for over $400. Next day Maguire sold the oats to Gale Bros. Co. at 30c, gave them the delivery order and received their check for $250. The last purchaser surrendered the delivery order to the Cincinnati, Hamilton & Dayton R. R. Co. and ordered the car turned over to the B. & O. S. W. to be placed at their elevator, and the car was placed in the yards of the latter; but before the car had been placed at the elevator it was replevined by Good & Co. In court these facts were undisputed.

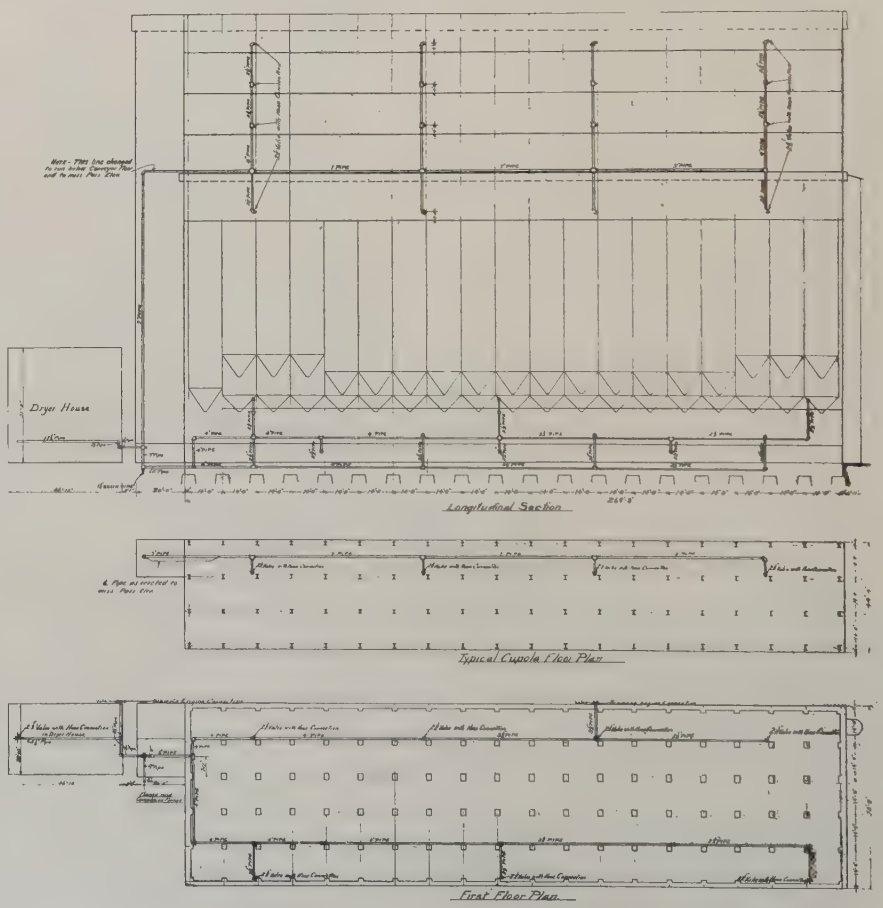
Chief Justice Summers of the Ohio Supreme Court, said: The sale was subject to the following rule of the organization governing purchases of grain: "Rule 7. Sec. 1. All purchases of grain, unless otherwise agreed upon, are understood to be for cash and to be paid for on delivery."

A witness for plaintiffs testified that when he makes a sale he delivers to the purchaser the sample and a delivery order [illegible] carrier to deliver the car to the purchaser or order, and as it is being unloaded it is weighed by the official weigher, who gives the seller a certificate of the weight, and the seller then makes a bill to the buyer at the agreed price, which the buyer pays in cash upon its receipt.

A witness for the defendants testified a delivery of the order is considered a delivery of the property, and that when the order is delivered it is customary for the buyer to pay 80 per cent of the price, according to the estimated weight of the car, and that the balance is paid upon receipt of a bill with the certificate of the official weigher attached.

Delivery.—It is undisputed that settlement was to be based upon the certificate of the weigher, and the circuit court based its decision upon the assumption that as under the rule sales were cash on delivery, and as under the usage the weight was to be ascertained as the car was unloaded, delivery could not be complete until the weight was certified. It is elementary in a sale of specific chattels that neither payment nor delivery is essential to the passing of title. The passing of the title may be conditional on payment; but generally in such sales the title passes; but delivery and payment are immediate and concurrent acts, and if delivery be made in expectation of immediate payment, and such payment is not made, the seller may reclaim the goods. When the goods must be counted, weighed, or measured in order to identify them, the property does not pass; but when they are specific, and these acts are to be done merely to ascertain the sum to be paid, the title may pass, altho the goods have not been delivered.

Passing of the title depends upon the intention. If delivery has not been made, or if made in order that the price may be ascertained, the presumption is that the



Fire Service Piping New B. & A. R. R. Elevat or at Boston, Mass.

(See preceding pages.)

property has not passed. If the sale is for cash, or cash on delivery, and delivery is made, the presumption is that it was made in expectation of immediate payment, and that the delivery was conditional; and the same is true and the presumption stronger when weighing is to be done by the buyer.

Delivery of Warehouse Receipts.—In Wabash Elevator Co. v. First National Bank of Toledo, 23 Ohio St. 311, there was a sale on "change" between two commission men of 5,000 bus. of corn. The seller sent by a clerk warehouse receipts to the buyers in expectation of immediate payment. The buyers accepted the receipts and informed the clerk that they would credit the seller with the price. The seller would not consent to this, and the buyers refused to return the receipts. The court held that a delivery with the expectation of receiving immediate payment is not absolute, but conditional until payment is made, and, when there is no waiver of payment, no title vests in the purchaser until the price is paid.

Payment as a condition may be waived by the seller, and if it is the property vests in the buyer. All attending circumstances may show that the delivery was not conditional, even when weighing is necessary to ascertain the price, and that the intention was to transfer both the title and possession and to trust the buyer to pay when the price is ascertained. In the present case no presumption of waiver would arise merely from the delivery of the car to the buyer, for by the rule of the Chamber of Commerce the sale was for cash on delivery, and the sum to be paid could not be ascertained until the oats were weighed, which by the usage on 'change was to be done by the official weigher as the car was unloaded, so that delivery would not be complete until the oats were weighed.

Delivery Order.—But if by the usage on 'change the delivery of a delivery order was the delivery of the oats, and 80 per cent of the estimated price was then payable, and the balance when the weight was officially certified, then Good & Co. waived payment in cash on delivery when they gave the delivery order without the cash payment, and the 80 per cent either was payable on demand or credit, for the whole price was extended to Bender until the weight was officially certified, and the title of an innocent subvendee from Bender would be good against Good & Co. And, independently of the usage last referred to, when it is considered that the sale was made on 'change by one dealer to another dealer, and not to a consumer, and that a delivery order was given directing the delivery not merely to the buyer, but to him or to his order, the conclusion must be that Good & Co. assented to a sale and delivery of the oats by Bender, and that it was the intention of Good & Co. by the sale and the giving of the delivery order to transfer both the title and the unconditional possession of the property to Bender.

The transaction, though fraudulent on the part of Bender, was not void, but only voidable. If the delivery without payment was merely a waiver of immediate payment, or an extension of credit, it may be that as between the vendor and the vendee the vendor could have protected himself, for it is an implied condition in a sale of credit that the buyer shall keep his credit good. Diem v. Koblitz, 49 Ohio St. 41, 29 N. E. 1124, 34 Am. St. Rep. 531. Good & Co., as against Bender, might have repudiated the transaction; but they could not do so at the expense of an innocent subvendee. "When a vendee obtains possession of a chattel with the intention by the vendor to transfer both the property and possession, although the vendee has committed a false and fraudulent misrepresentation in order to effect the contract or obtain the possession, the property vests in the vendee until the vendor has done some act to disaffirm the transaction; and the legal consequence is that, if before the disaffirmance the fraudulent vendee has transferred either the whole or a partial interest in the chattel to an innocent transferee, the title of such transferee is good against the vendor." Kingsford v. Merry, 1 H. & N. 503; Pease v. Gloahec, L. R. 1 P. C. 219.

When the delivery order has been executed and the goods have been delivered to an innocent subvendee, or the bailee has attorned to him, it is too late to revoke the order. As to him there is nothing to revoke; the delivery has been actually or constructively made, and the goods are no longer in the possession of the seller, but in the possession of the subvendee or in the possession of his agent.—92 N. E. 435.

New Committees Hay Ass'n.

The new committees of the National Hay Ass'n for 1910-11 are as follows:

Arbitration Committee: Ch. E. M. Wasmuth, Roanoke, Ind.; E. A. Dillenbeck, New York City; J. Y. Stimel, Payne, Ohio; F. L. Young, Lansing, Mich.; Chas. England, Baltimore, Md.

Grades Committee: Ch. Maurice Niezer, Fort Wayne, Ind.; C. E. Noyes, Jackson, Mich.; P. E. Goodrich, Winchester, Ind.; Albert Geidel, Pittsburg, Pa.; C. A. Coleman, Savannah, N. Y.

Transportation Committee: Ch. H. W. Robinson, Greenspring, Ohio; John Floyd, Pittsburg, Pa.; H. H. Driggs, Toledo, Ohio; H. H. Deam, Bluffton, Ind.; Geo. E. VanVorst, New York City.

Legislation Committee: Ch. E. B. Hodges, Norfolk, Va.; H. S. Hotaling, New York City; S. F. Clark, Memphis, Tenn.; W. R. Mumford, Chicago, Ills.; D. H. Rightmyer, Taughanock Falls, N. Y.

Standard Bales Committee: Ch. E. C. Forrest, Saginaw, Mich.; John P. O'Hara, Moravia, N. Y.; F. A. Decker, Providence, R. I.; Chas. T. Pierce, Van Wert, Ohio; J. V. Ferguson, New Orleans, La.

Statistics Committee: Ch. Willis Bullock, Canajoharie, N. Y.; Thomas P. Riddle, Fort Wayne, Ind.; W. B. McGregor, Fairmont, W. Va.; H. H. Freeman, Chicago, Ills.; Fred Williams, New York City.

Conservation Committee: Ch. Chas. Carscallen, Jersey City, N. J.; G. S. Bridge, Chicago, Ills.; Cyrus Kinne, Ovid, N. Y.; Abner Hendee, New Haven, Conn.; Clarence A. Euler, Baltimore, Md.

Plan of a Good Corn Crib.

In view of the record-breaking crop of corn this year and the stocks carried over last season the coming winter promises a return to the common practice of former years by country elevator operators, local speculators and farmers of cribbing corn at the country station on an extensive scale.

The terminal markets already have adjusted themselves to the new situation by offering handsome premiums on corn held for delivery next May, so that country speculators who will contract for deferred delivery are assured of a liberal profit on the investment in the grain and the cribs.

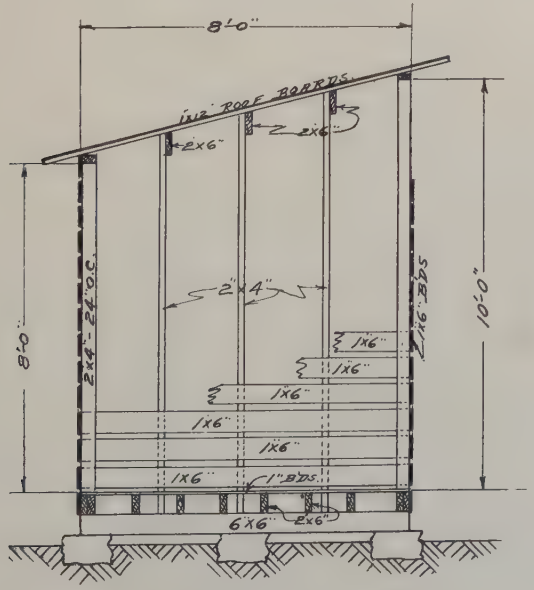
When building a crib the owner will be well repaid for giving the construction as careful study as he would devote to the more costly small grain elevators. A good plan saves labor and material.

The corn crib which is illustrated in the engravings herewith has been well designed by McAlister & O'Connor to meet present day conditions in the corn belt. The sills are 6x6 ins., laid 6 ft. centers, each resting on three stones or concrete blocks, the tops of which should be about 6 ins. above the ground. At right angles to these sills are laid 2x6 joist, 12 ins. centers. The studs for the end walls should rest on the sills, while those for the side walls should rest on two of the joists as shown.

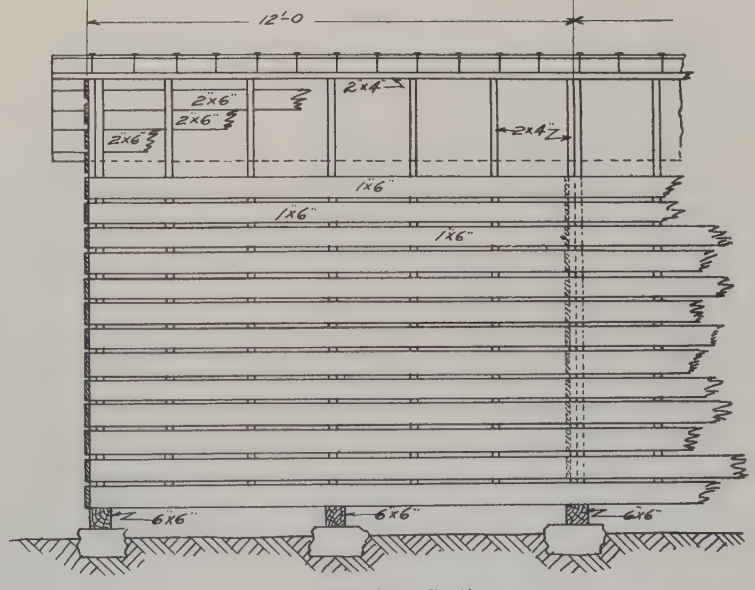
The siding is usually common 1x4 or 1x6 boards, while the roof is usually of 1x12 grooved roof board, covered at the joints by ½x2 in. battens. To give better protection against water coming in at the sides beveled boards should be used, and they give just as much ventilation for the corn. Each section of crib shown herewith will hold approximately 400 bus. of corn in the ear and requires 1,000 ft. of lumber.

The first shipment of corn and flour ever received from the Argentine Republic was landed in Jamaica recently and this is believed to be the beginning of strong competition with America.

Results of good farming were never more strikingly illustrated than this year in North Dakota. The Dalrymple farm produced 13 bus. of wheat per acre, of good quality.—Chas. F. Macdonald, sec'y Duluth Board of Trade.



Cross Section.



Plan of Corn Crib.

Longitudinal Section.

Changes in Grain Rates.

As shown by tariffs recently filed with the Interstate Commerce Commission the carriers have made the following changes in rates:

The Santa Fe announces in Sup 1 to ICC 5407 that no allowances will be made for delivery of bulk grain to lake boats after Nov. 15.

Rates are given by the Grand Trunk in ICC 1920 on grain in bulk, ex-lake, from Mich. and Ont. points to Portland, Me.; in effect, Nov. 1.

The rate on elevator offal from Port Huron, Mich., and Toledo, O. to Peoria, Ill. is given by the Pere Marquette in ICC 2527 as 10c; effective Oct. 31.

ICC 81 gives rules of the Joint Track Weighing and Inspection Bureau governing joint transit privileges on transit grain at Toledo, O.; effective Nov. 1.

Rules effective Nov. 1, which govern through billed track grain at Toledo, O., are published by the Joint Track Weighing and Inspection Bureau in ICC 82.

C C C & St L has issued ICC 5144, which supersedes Sup 1 to ICC 3136 relating to the rules governing allowances for transfer of grain; effective Nov. 2.

In ICC 1515, the Grand Trunk publishes rules governing elevation and storage on grain, ex-lake; effective on Canadian traffic, Oct. 4; interstate Nov. 5.

The Joint Track Weighing and Inspection Bureau in ICC 74 gives rules governing joint transit privileges on transit grain at Milwaukee, Wis.; in effect Nov. 1.

The Joint Track Weighing and Inspection Bureau in ICC 73, gives rules governing thru billed track grain at Chicago district stopover points; in effect Nov. 1.

Rules governing the payments for elevator service on grain at Fort Worth and North Fort Worth, Tex., are given by the C R I & Gulf in ICC 411; effective Nov. 11.

Rates on grain and grain products from stations in Ill. and St. Louis, Mo., to eastern points, are given by the Wabash in Sup 7 to ICC 2202; effective Nov. 10.

Rules governing joint transit privileges on transit grain at Indianapolis, Ind., are given by the Joint Track Weighing and Inspection Bureau in ICC 79; effective Nov. 1.

D L & W in ICC 7352 shows the rate on wheat, corn, rye, barley, oats and flaxseed, in bulk, ex-lake, from "at and east" of Buffalo, N. Y., to D. L. & W. stations and connections; effective Nov. 11.

Rules are published by the Mich Cent in ICC 3960 governing the inspection, weighing, cleaning, clipping, sacking, grading, mixing or transfer of grain at Joliet, Matteson, Kensington, Ill., and South Bend, Ind.; in effect Nov. 12.

Rules are given by the N Y C & St L in ICC 2973 which govern the handling of grain at Buffalo, Buffalo Junction and East Buffalo, N. Y., when for transfer, elevation, storage, reconsignment or delivery at Buffalo, N. Y.; effective Nov. 1.

Rates are given by the C & E I in Sup 5 to ICC 2500 relating to grain and products, also broomcorn and seeds, from C & E I stations and connections to eastern, southern, C F A, New England and western and Canadian points; effective Nov. 8.

C Ct W in Sup 7 to ICC 4670 gives the rate on wheat from Des Moines, Ia. (when originating beyond) to Kansas City and St. Joseph, Mo., as 8c and effective Nov. 8.

ICC 87, as issued by the Joint Track Weighing and Inspection Bureau, gives rules governing joint transit privileges on transit grain at Detroit, Mich.; effective Nov. 1.

Sup 13 to ICC 917 as issued by the C I & Sou. gives the rate on grain products from Chicago, South Bend, Kentland, Ind., and Danville, Ill., to C F A points; effective Nov. 10.

The D S S & A in ICC 2253 gives the rates on barley, corn, malt, oats, rye, speltz and wheat from Duluth, Minn., Superior and Superior East End, Wis. to eastern cities; effective Oct. 29.

ICC 2534 issued by the C I & L gives rates on grain and products from Chicago and Chicago suburban stations and Hammond, Ind. (originating locally or when from beyond) to C F A points; in effect Nov. 1.

The Wabash in Sup 4 to ICC 1220 makes rates on corn and oats from Des Moines, Ia. (when from beyond), to St L I M & S stations and connections in Ark. and Okla., also to St L S W stations; Nov. 10.

The C B & Q announces in Sup 11 to ICC 9600 the rates on broomcorn, flaxseed, grain, grain products and hay, from Missouri river points to stations in Ill., Ind., Tenn.,, La., Ala. and Miss.; effective Nov. 15.

The K C Sou publishes in ICC 2856 rules that govern cleaning, clipping, inspection, milling, mixing or sacking of grain at Kansas City, Mo.-Kan., when originating and destined to points beyond; effective Nov. 6.

Manitoba Standard Elevator.

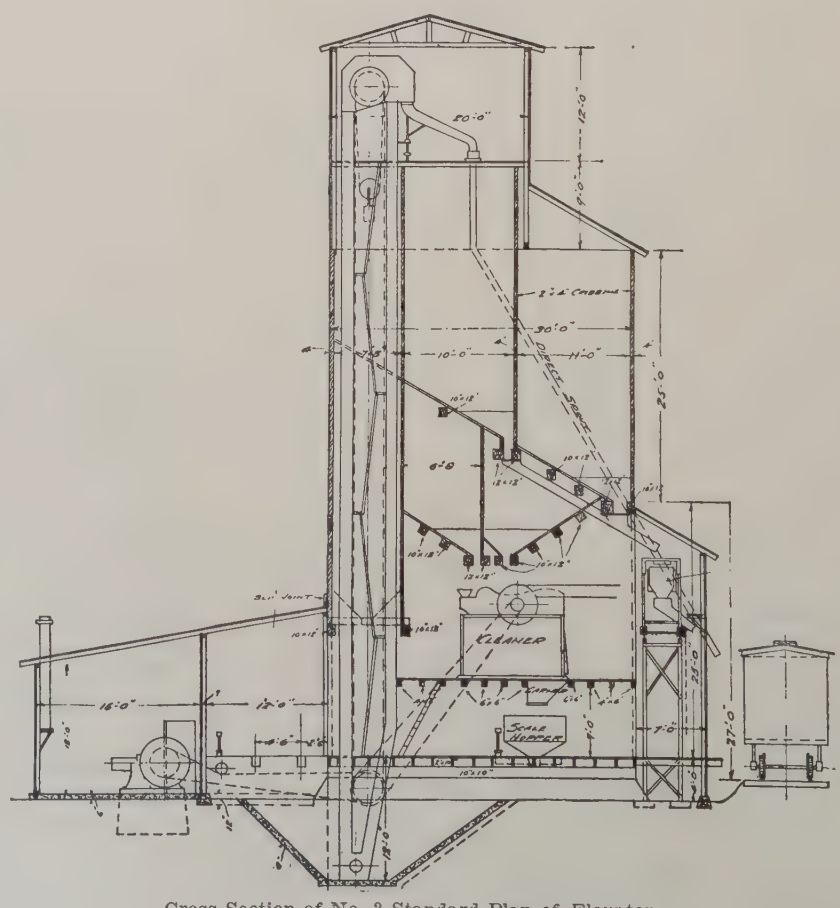
The No. 2 standard plan of country elevator being built by the Manitoba Elevator Commission at Cardinal, Newton Siding, Ruford Siding, Riding Mountain, Bird Tail Creek, McLean Siding, Chillion Siding and Cordova, is shown in the cross section engraving herewith.

The capacity of the No. 2 standard house is 25,000 bus. in 20 bins, from one-half of which the grain can be loaded direct into cars without re-elevating. The house is 75 ft. high, cribbed, and sided with galvanized iron. An independent foundation is provided for the automatic shipping scales. On the working floor is the scale hopper receiving grain from the garner of the cleaning machine directly above. Transmission of power for the single stand of elevators is by rope to the cupola. The engine room is separated from the elevator by the width of the driveway; and the elevator leg being close to the wall of the building brings the boot almost under the wagon dump.

Plan of Standard No. 1 was illustrated in the Journal for Oct. 10, page 511.

I find it impossible to get along without the Grain Dealers Journal and as long as I am in the grain trade will never be without it; don't see how any live eltr. man can do business without its aid and the correspondence brot forth in the "Asked and Answered" columns.—Alfred Cram, Florence Station, Ill.

At the meeting of the British Ass'n in Sheffield, Sept. 5, Dr. Russell and Dr. Hutchinson, who have long been experimenting in soil fertility, announced the discovery of the micro-organism which destroys the bacteria essential to soil fertility, rated by some scientists present as the most important agricultural discovery in 50 years.



Cross Section of No. 2 Standard Plan of Elevator.

Feedstuffs

The second annual meeting of the Ass'n of Feed Control Officials will be held at the Raleigh hotel, Washington, D. C., Nov. 14-16, the principal topic to be considered being the proposed uniform feedingstuffs bill. J. D. Turner, of Lexington, Ky., is sec'y of the Ass'n.

In making public a list of names of dealers prosecuted for selling feeds misbranded or adulterated, N. B. Critchfield, sec'y of agriculture at Harrisburg, Pa., Oct. 6, stated that "One reason that the department long operated without making public the names of such defendants is that in many cases the dealers are innocent of intentional wrong, the real culprit being the manufacturer, who is usually located outside the state. The local dealer takes the word of the manufacturer that the material is all right and goes ahead and sells it. The department has found by experience, however, that publicity tends to make the local dealers more watchful of the brand he handles. Some undesirable brands have been practically eliminated from the Pennsylvania markets by the local dealers finding that they cannot sell them without violating the law." Most of the feeds sold by the dealers contrary to law were the product of six of the best known manufacturers. Oat hulls, weed seeds and crude fiber were the principal adulterants.

The case of an Iowa grain dealer who ran afoul of the Iowa commercial feedingstuffs law, is related by Geo. A. Wells, sec'y of the Western Grain Dealers' Ass'n in his monthly circular. The dealer purchased a carload of feed from a Minneapolis mill, some of which was contained in 200-pound and some in 140-pound bags. The shipper did not attach the inspection or license tags to the bags, but tags for 100-pound bags were included in the shipment. The dealer not being technically informed of the Iowa law changed the marked weight on the tags to conform to the size of the bags received by marking 200 and 140 pounds on the 100-pound tags and was arrested by the state dairy and food commissioner for changing the printed weight figures on the tag; for selling feed without license, having used a 100-pound tag on a 140-pound and also 200-pound bags, the tags used not fully covering the contents of the bags. The dairy and food commissioner insists that altho the dealer in this case perhaps did not intend to defraud the state by using the tags to avoid paying the full amount of license money, that he cannot allow such a practice to become general and that the best way to educate the people is to enforce the law. The fine is $100 or less at the discretion of the court.

New Elevator at Doniphan, Neb.

Southern Nebraska has many substantial grain elevators, but none more up-to-date than the new house of the Doniphan Elevator Co., at Doniphan, a town about 15 miles north of Hastings and a few miles from the state's big river Platte.

The building is of studded construction, ironclad and the boot pits and dump are of concrete. Its storage capacity is 15,000 bus. The engraving herewith shows the building, the conveniently attached office and engine room, and the low driveway.

The equipment of up-to-date machinery includes a Success Manlift, Fairbanks Hopper and Wagon Scales, Birchard Distributing Spout, grain cleaner and 10 h.p. gasoline engine. The plant was erected by G. H. Birchard.

The company operating the house has been in business for one year, the present officers being Alvin Johnson, pres.; W. E. Martin, vice-pres.; C. J. Humphrey, sec'y, and J. E. Hitt mgr. Its shipments are made over the St. Joseph & Grand Island Railroad.



New Plant of Doniphan Elevator Co., at Doniphan, Neb.

Instructions to Grain Shippers.

D. D. Campbell, Dominion Government Grain Shippers representative at Winnipeg, has issued instructions to those shipping grain which contains information of value to all shippers. From his letter we take the following:

When ordering cars state the size of car required.

If possible clean your grain well before shipping, by doing so the feed saved will in many cases more than pay cost of cleaning.

Sweep the car well, both floor and sides, especially if it has carried coal recently.

Examine car carefully for defects, and secure same against leakage.

In loading flax, it is a good plan to cover floor and sides of car with building paper (not tar paper).

If the grain door does not fit closely, do not drive nails through the door, as that interferes with the opening at the terminals. Instead drive a two and a half inch nail into the door post, press the door into place, and bend the nail against it. This will hold it secure, and will not interfere with the opening of the door as nails driven through it would.

If possible weigh your grain before loading, and keep accurate record of the weight of same.

Be particular to level the grain accurately in the car, and keep a record of how it compares with the load line marked in the car.

Wherever it is possible, shippers should draw the agent's attention to the height of the grain and the fact that it is leveled.

It is also a good precaution to keep a record of the depth in inches of the grain loaded into the car if it has been leveled properly. In case of leakage or damage in transit, this is invaluable evidence in establishing your claim for shortage.

Do not load cars above amount allowed, as it endangers life and property, and weakens your chance to collect for shortage in weight, in case of damage in transit.

If you have to partition your car, be careful to keep the partition clear of the grain doors, as they must be opened to unload the grain.

If you bill the car to your own order and advice, be sure to give your postoffice address on the bill of lading, otherwise the outturns and papers will go back to the Station Agent, who may be many miles from you, or if you have decided on a commission firm to handle the car for you, note on the bill of lading, advise this firm, then they will get all the documents and be in a position to look after your interests.

You can send the bill of lading to the commission firm, giving them instructions how you wish the car handled, or you can place it with your banker to be handed to the firm on receipt of a certain amount as an advance, and when the sale is completed, you should receive a statement showing the whole transaction and closing it up.

If you have billed the car to your own order, before sending the bill of lading to your banker or commission firm, you should endorse it as follows:

Deliver to order (insert the name of your bank or commission firm). Then sign your name distinctly.

The 11th annual convention of the National Good Roads Ass'n was held Oct. 4-6 at Oklahoma City, Okla.

Grain Trade News

ARKANSAS.

Little Rock, Ark.—C. S. Rainbolt, representing the Cavers Eltr. Co., of Omaha, is here with his family for the winter, and may locate permanently in this city.

Texarkana, Ark.—The Laws & Downey Grain Co., incorporated by G. W. Bottoms, Mack M. Laws, Jack H. W. Downey and others; capital stock, $25,000, of which $12,500 has been subscribed.

CALIFORNIA.

Hemet, Cal.—Rather Bros. have bot out the Hemet Warehouse Co., and will have five warehouses to care for the grain and hay in this vicinity.

Woodland, Cal.—The California Alfalfa Meal & Mlg. Co., that sold stock last spring for the purpose of building an alfalfa mill here, has decided to abandon the project and will return all money paid in on stock.

CANADA.

Franklin, Man.—The eltr. of R. L. Campbell burned Oct. 14; loss about $2,000 above insurance.

Goderich, Ont.—The Western Canada F. Mills Co. is having a Day Dust Collector installed in its eltr.

Saskatoon, Sask.—The new eltr. of the Maple Leaf Mlg. Co. has been opened under the management of H. L. Wolf.

Victoria Harbor, Ont.—The Canadian Pacific Ry. Co., has had the Day Co. install a complete dust-collecting system in its new eltr.

Duck Lake, Sask.—The grain and milling plant owned by farmers burned recently; eltr., warehouse and mill a total loss; insurance, $24,000.

Winnipeg, Man.—The N. Bawlf Grain Co. of this city has recently purchased eltrs. at several points in the provinces of Saskatchewan and Manitoba.

St. Boniface, Man.—The Western Canada Flour Mills Co., Ltd., has had its new eltr. equipped by the Day Co. with 12 large dust collectors, and a complete system of pipes to take care of the dust originating in the cleaning department.

Winnipeg, Man.—The Western Grain Standards Board held a meeting here Oct. 13, postponed from Oct. 4 on account of delay in obtaining sufficiently representative samples from production points in the three prairie provinces.

St. Boniface, Man.—The Rice Malting Co. of Canada, Ltd., has taken out a building permit for its plant here, to cost $252,500. The building will cover 280x86 ft., and that part containing the eltrs. will occupy 60x40 ft. and be 138 ft. high. It is intended to be ready for operation within five weeks.

Quebec, Que.—James Richardson & Son of Kingston, Ont., have leased from the harbor commissioners the eltr. here that formerly belonged to the C. P. Ry. Co., and will spend about $15,000 in repairs, including $10,000 worth of new machinery. The eltr. has a capacity of about 250,000 bus., and the lessees intend to fill it with grain before the close of navigation. Their lease runs for ten years.

Fort William, Ont.—Charging that the G. T. P. eltr. does not belong to the R. R. Co., and is not operated by it, but by a separate firm, the city of Fort William is expected to refuse to exempt the plant from taxation. The original agreement provided exemption from city taxes for this terminal eltr. for 20 years.

Goderich, Ont.—Good progress is being made in the erection of the two concrete eltrs. at the harbor, which should be ready for operation by the first week in November. Each will have a capacity of 500,000 bus., which will double this port's grain storage. All space in both eltrs. has been spoken for by boat owners and more than double the usual number of vessels will lie by here for the winter if the eltrs. are completed in time. Grain has been coming to this port more rapidly than usual and the two present eltrs. have been very busy.

Windsor, Ont.—Police are investigating a story told by a youth found, Oct. 7, imprisoned in a car of grain on Mich. Cent. tracks here. The car had left Chicago early in the week. A switchman heard the boy rapping on the car door. When first taken out he seemed bewildered, but after he had been given food and medicine he alleged that he had been "doped and locked in the car at Kensington." He says his name is Lambert, and that he is the 18-year-old son of a Chicago banker.

Vancouver, B. C.—The long-drawn-out case of the Vancouver Grain & Mlg. Co. against the Alberta Pacific Eltr. & Grain Co. was ended Sept. 29 by a judgment in favor of the plaintiff for the full amount of its claim, $9,000. The hearing of the evidence occupied three weeks, and the arguments almost a week. The plaintiff alleged that the defendant had failed to deliver a large amount of grain on contract. The principal item was a contract for the delivery of 150,000 bus. of oats, short 19,591 bus. The justice denied the defendant's contention that no agreement existed further than that it was to fulfill the contract to the best of its ability.

IDAHO.

Coeur d' Alene, Ida.—W. E. Sander has purchased the interest of J. C. Schmidt in the Coeur d' Alene Grain & Mlg. Co.

ILLINOIS.

Henning, Ill.—We have succeeded Geo. L. Merritt & Co.—Merritt & Elliott.

Breckenridge, Ill.—Twist Bros. have decided to build a new eltr. at this station.

Pleasant Hill, Ill.—Elmore & Lemmon have installed a 40-h.p. gas engine in their eltr.

Woodruff sta., Lilly p. o., Ill.—The new eltr. is almost completed for Levi Johnston.

Dakota, Ill.—The H. A. Hillmer Co. has let the contract for the remodeling of its eltr.

Kilbourne, Ill.—E. B. Conover, who recently bot the eltr. of the Kilbourne Grain Co., has retained J. C. Young as mgr.

Haldane, Ill.—The B. P. Hill Grain Co. will install a Hall Signaling Grain Distributor in its eltr.

Litchfield, Ill.—The Litchfield Mill & Eltr. Co., has increased capital stock from $20,000 to $200,000.

Monarch, Ill.—My successor as agt. for J. H. Fawver has not yet been appointed. —W. Clair Bishop.

Lovington, Ill.—George Lindsay has succeeded T. E. Hammon, resigned, as mgr. for the Farmers' Eltr. Co.

Melvin, Ill.—The eltr. of Lamoreaux & Inkster Bros. burst recently and let 600 bus. of corn out on Ill. Cent. tracks.

Nebo, Ill.—Elmore & Lemmon have installed Richardson Automatic Scales in their eltrs. here and at Manchester, Ill.

Chatham, Ill.—The Chatham Farmers' Eltr. Co., has bot a Western Pitless Sheller, a Gyrating Cleaner and machinery for remodeled eltr.

Seymour, Ill.—James Karr has torn down his old eltr. and has material on the ground for the erection of his new 60,000-bu. house, balloon frame.

Peru, Ill.—Wakem & McLaughlin, a Chicago firm, have purchased the eltr. here, from the United Cereal Co., that has stood idle for the last two years.

Cooper sta., Washington p. o., Ill.—The Farmers Grain, L. S. & Coal Co. of Deer Creek, Ill., has started construction on a cribbed eltr. at this station, to be operated in connection with its Deer Creek house.

Mt. Morris, Ill.—Mt. Morris Eltr. Co. incorporated to deal in grain, feed, fuel, lumber and implements; capital stock, $10,000; incorporators, L. C. Sprecher, A. N. Baker, George Wimdle and two others.

Rochester, Ill.—The new eltr. under construction for Twist Bros., to replace theirs burned last August, is ready for the roof. It is to be finished early in November. The P. H. Pelkey Const. Co. is doing the work.

German Valley, Ill.—The German Valley Grain & Fuel Co. incorporated to deal in grain, fuel, farm implements and building materials; capital stock, $10,000; incorporators, John Rademaker, John Dirksen and George B. Diddens.

Pekin, Ill.—The eltr. of the Turner-Hudnut Co. and 20 loaded cars burned early in the morning of Oct. 23 about two hours after the Herget malthouse had burned in the upper end of town. Loss, $115,000, covered by insurance.

Meyers sta., Green Valley, p. o., Ill.—The new ironclad eltr. is to be completed for the Farmers' Grain Co., by Dec. 1, at a cost of $7,100. The building is underlaid with concrete and will have a non-chokable boot. Mr. Geo. Lutz will be mgr.

Argenta, Ill.—The Argenta Grain Co. incorporated by James W. Turner, Charles S. Hankins, and Charles E. Schroll, to do a general grain and merchandise business; capital stock, $20,000. J. W. Turner, the mgr., writes: "We have purchased the grain business of the Clark Grain & Eltr. Co."

Buffalo, Ill.—A fire discovered about 1 o'clock in the morning of Oct. 17 destroyed the eltr. owned by E. R. Ulrich & Sons of Springfield; loss on building, $5,000; insurance, $4,500. The grain in the eltr. and cribs, valued at $300, belonged to Peter Vredenburgh of Springfield. The fire appeared to have started in the engine room of the eltr. and soon spread to other property.

Welland sta, Mendota, Ill.—We have purchased a 2,500-bu. Richardson Automatic Scale. We received 239 loads of shelled corn, Oct. 14, making 13,920 bus.—The Penrose Eltr. Co.

Woodland, Ill.—W. Clair Bishop has succeeded E. R. Ratcliff as mgr. for the Woodland Farmers' Eltr. C. B. Lowe, of Jefferson, Ia., was to have had the position but, after coming here, left and wired back that he could not return. Mr. Bishop has been mgr. of the general merchandise and grain business of J. H. Fawver, at Monarch, Ill.

Princeton, Ill.—The Princeton Farmers Eltr. Co. has taken possession of the eltr. it recently purchased from the Neola Eltr. Co. for $3,950. Lucian Bass, who for years was local mgr. for J. H. Dole & Co., has been elected mgr. for the Farmers Co. and Karr & Fishel, who operated the Neola Eltr., have taken over the management of the Dole eltr.

Sterling, Ill.—The grain shipping season has opened on the Hennepin Canal and it is estimated that more than 15 cargoes will be shipped from the feeder near this point before navigation closes. The government has granted a permit to the Smith-Hippen Co. to load grain from the bridges along the canal feeder and the firm has planned to establish a terminal eltr. here to take advantage of the canal's cheap transportation.

Danville, Ill.—In the case of the Cleveland Grain Co. against F. A. Vant, a farmer, for damages on failure to deliver a certain quantity of oats, the jury awarded Mr. Vant a verdict of $500 against the Grain Co., alleged to be a setoff on the amount sued for by the company. The verdict came as a surprise as, after the suit had been entered, it is alleged, the defendant had offered the company $195 to compromise.

Atlanta, Ill.—The work of moving the eltr. of Applegate & King was delayed by heavy rains. This is the oldest grain house in Atlanta. Erected in the early sixties by Quince Turner and I. V. Gray, it was operated many years by Seth Turner and afterwards by Quigg & Tanner. Double tracking the C. & A. made it necessary to move the eltr. As this makes both their eltrs. some distance from the business part of the town, Applegate & King have opened an office in the Coleman House Blk.

CHICAGO NOTES.

Wm. Hirschy of J. C. Shaffer & Co. has a little girl. All doing well.

Henry Stanberry, formerly with the Millers National Ins. Co., is now on the road for the Rogers Grain Co.

E. G. Heeman has returned to Chicago after spending two years in San Francisco and will engage in the brokerage business.

Harry G. Smith, well known in the grain trade, has gone with Lamson Bros. & Co., as traveling representative in Indiana and Illinois.

S. W. Yantis has opened an office in the Traders bldg. under the name S. W. Yantis & Co., for the execution on commission of orders for eastern grain shipments.

Membership in the Chicago Board of Trade has been applied for by Lee R. Moore and Harry F. Louchheim. Transfer of membership has been applied for by Tappin R. Swezey, Henry F. Douglas, Stephen A. Dalton and the estate of the late Arthur R. Sawers. A membership sold recently for $2,925 net to the buyer.

The directors of the Board of Trade have called a special assessment of $25, the regular assessment for the purchase of memberships provided for in the rules, payable on and after Oct. 26.

Mrs. Augusta Rattray has filed suit against Benjamin R. Cahn, a broker, for $15,000 to recover the amount alleged to have been lost last year by her father, Wm. Kerting, while speculating on the Board of Trade.

Sylvester Dana Foss died Oct. 16, aged 76. He had been ill for some time. He had lived in Chicago more than 50 years and was in the grain business 30. He retired in 1889. He is survived by his widow and five children.

CHICAGO CALLERS: H. S. Grimes, Portsmouth, O.; B. A. Lockwood, Des Moines, Ia.; G. F. Kersten, Plainfield, Ill.; George A. Wells, sec'y Western Grain Dealers Ass'n, Des Moines, Ia., and J. Collin Vincent, Baltimore, Md.

To enlist the support of Board of Trade members on behalf of New Orleans as the most desirable place for the Panama exposition, Pres. Ellis of the New Orleans Board of Trade addressed the members of the Chicago Board from the visitors' gallery immediately after the close of exchange, Oct. 11.

The following roads have announced that effective Nov. 15, 1910, they will cancel eltr. allowance of ½c per bu. on bulk grain from Missouri River crossings delivered to lake boats at Chicago: A. T. & S. F., C. & A., C. B. & Q., C. Gt. W., C. R. I. & P. and the Wabash. The C., M. & St. P. Ry. has not yet announced the date of cancellation of its tariff making this allowance.—W. M. Hopkins, mgr. transportation Dept., Chicago Board of Trade.

The first new corn this season was received at Chicago Oct. 20 and 22. The car arriving Oct. 20 was loaded with ear corn in excellent condition from central Illinois and was sold by J. C. Shaffer & Co., who received it, at 45 cents. The car arriving Oct. 22 contained shelled corn from Odell, Ill. It was graded No. 4 white and contained 20.8 per cent moisture. P. H. Schifflin & Co., who received it, sold the car to the American Maize Products Co. at 44c, a very good price, considering that old corn, No. 3 white, sold the same day at 47 cents.

Elmore, Squire & Co. have succeeded to the general grain and feed business of E. W. & W. O. Elmore. The new firm will continue to operate the eltr. at South Bend, Ind., with an office in Chicago. E. W. Elmore of the new firm has removed to Oneonta, N. Y., to manage the Elmore Milling Co., and Benjamin Squire has not hitherto been engaged in the grain business, having been formerly assistant traffic manager of the Lake Shore road. J. E. Cairns, who was mgr. of the grain department, and F. H. Price, who was mgr. of the feed department, are retained as managers for the new firm.—F. H. Price.

Receipts of hay have increased considerably in the last few days, and the demand has fallen off. This makes our market a little dull. The large portion of the shipments coming in at present is of the best grades of hay, such as No. 1 and choice. For this reason there seems to be very little demand for the high grades of hay at prices receivers are trying to obtain. Demand is more for lower priced hay, and it looks as if prices were going to work to a lower level. There is an ample supply of western prairie hay on our market, and the receivers are endeavoring to obtain high prices. However, buyers do not take hold as readily as they have been, except at reduced figures.—W. R. Mumford & Co.

The will of the late George W. Patten, dated Sept. 10, 1910, gives the income of his estate, valued at $2,403,000, to his two brothers, James A. and Henry J. Patten during their lifetime and after their death the principal is to be divided equally among his two nephews and two nieces when the youngest of them reaches the age of 25. In case either brother dies before the other his share of the income is to be paid to his children. His two brothers and Frank P. Frazier are named as trustees. As Mr. Frazier is now a resident of New York he is incapacitated from acting as an executor but will continue his trusteeship. Wm. E. Hudson of Bartlett, Frazier & Co. has been named as executor in his place. Only $3,000 of the property is in real estate.

INDIANA.

Kendallville, Ind.—J. Keller & Co. are building a 20,000-bu. eltr.

Goodland, Ind.—H. Murray & Co. are building a feed warehouse in addition to eltr.

Nappanee, Ind.—Hartman Bros. will immediately rebuild their eltr. burned Sept. 30.

Remington, Ind.—The Farmers Eltr. Co. has bot the eltr. of the Remington Grain Co. and its former mgr., Mr. Washburn, has gone with the Kelly Grain Co.

Scircleville, Ind.—The recently incorporated Scircleville Grain Co., a farmers' company, has bot the eltr. of Sims & Ashpaugh. Richard Scott is pres.; Chas. Ricketts, sec'y.

Keystone, Ind.—Plans are being considered for the erection of an eltr. as soon as a site can be selected. F. G. Haecker, formerly of the Petroleum Grain Co. at Petroleum, Ind., is interested.

Wabash, Ind.—The Wabash Mfg. Co. has just completed a 15,000-bus. warehouse, of concrete, to be used for storing wheat, and is putting in a foundation for a 20,000-bu. warehouse to be completed by next spring.

Indianapolis, Ind.—The Stebbins-Witt Grain Co. has moved its office to larger and more convenient quarters in the Board of Trade bldg., formerly occupied by Cooper & Oddy and recently by the Alder Grain Co.

Monticello, Ind.—The Loughry Bros. Mlg. & Grain Co. is building a warehouse 40x90 ft. in addition to its mill and eltr. to be used for storing flour and feed. The building will have re-inforced concrete roof and floors, and will be absolutely fire-proof.

Indianapolis. Ind.—Samuel B. Sweet, one of the oldest members of the Board of Trade, died at his home in this city, Oct. 12. He was pres. of the Board for the years 1904 and 5 and had been a member of the board of governors continuously since 1895.

Centerton, Ind.—A fire discovered about 1:30 a. m., Oct. 18, destroyed the eltr. of Rothrock & Son with contents, wheat, corn, oats, clover seed, mill feed and flour. Loss total, $14,000; insurance, $9,000. Origin of fire a mystery as a gasoline engine furnished power and no fire had been in the office stove for months.

Indianapolis, Ind.—The Big Four R. R. Co. has offered the Purdue Exp. Sta. the free use of a wheat improvement special train to be run over its Indiana lines at any time desired in 1911, with the intention of making it the best equipped special yet sent out for that purpose.

Evansville, Ind.—A. F. Files has been elected director and vice pres. of our company, following the resignation of Edward H. Young. Mr. Files comes to us from Indianapolis, where he was formerly connected with the Files-Greathouse Grain Co. and had prior training for eight years in the field seed and grain trade of Toledo, O. He is well known in many states. He will have charge of our grain and hay department.—W. H. Small & Co.

IOWA.

Abbott, Ia.—Herbert Strahorn is the new mgr. for the Farmers Co-op. Eltr. Co.

Mt. Union, Ia.—The Farmers Eltr. Co. is building an up-to-date corn crib near its eltr.

Washington, Ia.—D. A. Chalmers will rebuild his eltr. destroyed by lightning Sept. 12.

Moville, Ia.—Sarah M. McElrath has transferred to Ralph McElrath a half-interest in the eltr., for $1,000.

Moorland, Ia.—John Biesmiller is pres. and Frank Hayek sec'y of the recently incorporated Farmers Grain Co.

Grant, Ia.—Turner Bros. have a car load of lumber on the ground, to be used in the construction of their new eltr.

Hillsboro, Ia.—Pitt Plummer has taken possession of the eltr. and lumber yard he recently purchased from Hixon Bros.

Hornick, Ia.—Farmers have subscribed $8,400 toward an eltr. and have elected John Pritchard pres.; C. S. Sulsberger, sec'y; and R. N. Rawson, treas.

Oskaloosa, Ia.—The Blackford Grain Co. is enlarging and improving its feed mill to make more room for stock and for another grinder it intends to install.

Clarence, Ia.—I still own the eltr. I bot here from M. B. Cottrell, June 15, and own an eltr. and lumber yard at Buchanan, Ia. I divide my time between the two places with headquarters at Cedar Rapids. —C. S. King.

Elliott, Ia.—Turner Bros., who have eltr. properties here and at Red Oak, Griswold, Cumberland, Stanton, McPherson and other points on the Q., have closed out their holdings in Canada and will increase them in southwestern Iowa.

Sac City, Ia.—D. M. Manzer will become mgr. for the Farmers Eltr. Co., Nov. 15. The directors had previously elected D. L. Requarette, agt. for the Kunz Grain Co. at Schaller but he notified them that his company would not release him.

Odebolt, Ia.—I was transferred to this station from Oto, Ia., Oct 15, as Chas. Wagner, agt. for the Trans-Miss. Grain Co., goes to the Albert Dickinson Co. to take charge of a popcorn cleaning and transfer house that company will build here this fall.—C. W. Boyer, agt. Trans-Miss. Grain Co.

Oskaloosa, Ia.—The plant owned by Edward Smith of Des Moines and operated by the John Siebel estate, Inc., was burned in the afternoon of Oct. 9. The fire started in the boiler room. The eltr. filled with grain, the warehouse, mill, cribs and barns were all destroyed. Several hundred thousand dollars had been invested in the property. Insurance on stored grain and flour, $12,000. Mr. Smith says the eltr. and flour mill will not be rebuilt. A feed mill will be erected on the site. The mill building was the oldest landmark in Oskaloosa, erected in 1851 by Ben Roop.

KANSAS.

Wilsey, Kan.—The Farmers Union is a scooper.

Hiawatha, Kan.—F. A. Derby has leased the old Samuelson eltr.

Vesper, Kan.—I am no longer agt. for the Midland Eltr. Co.—O. L. Jensen.

Manning, Kan.—The Shelf Grain Co. is not operating its eltr. this season.—J. T. Walthell.

Brownell, Kan.—Thomas Stull is local agt. for the LaCrosse Lbr. & Grain Co.—The Brownell Lbr. Co.

Gem, Kan.—Henry Westerman has bot out the State Eltr. and that of the Home Grain Co. is closed.—P. S. Houston.

Peabody, Kan.—I. J. Nicholls & Son are installing an alfalfa mill and expect to have the plant in operation in a few days.

Culver, Kan.—C. N. Mayo has charge of the eltr. of the Shellabarger M. & Eltr. Co.—Jno. E. Hughes, mgr. Culver Grain & L. S. Ass'n.

Smolan, Kan.—The Shellabarger M. & Eltr. Co. has just finished remodeling its old eltr. and now has 50,000 bus. storage capacity for wheat.

Wichita, Kan.—The B. C. Christopher Grain Co. began closing out its business in Wichita, Oct. 9, with the expectation of finishing within a week.

Abbyville, Kan.—Will Lentz has succeeded Russell McKean as local agt. for the Kansas Grain Co. He resigned to attend school in Kansas City.

Kingsdown, Kan.—A. E. Shanks has succeeded S. L. Gamble as local agt. for the O'Neil, Kauffman, Pettit Grain Co.—Peter Loepp, agt. Liberal Eltr. Co.

A special train to be run from Kansas City to New Orleans at the close of the February meeting is proposed by Sec'y E. J. Smiley of the Kansas Grain Dealers' Ass'n.

Hanover, Kan.—We operate the eltrs. here and at Emmons and Gerardy sta., Hanover p. o., Kan., formerly owned by H. Wessels, with headquarters at this station.—Ferguson & Spence.

Wichita, Kan.—Fred Dymock, who has been managing the A. R. Clark Grain Co. since the death of Mr. Clark, has resigned to take a position with a cement firm. He considers it probable that the grain house will be discontinued.

Stark, Kan.—I have just bot out my partner, Mr. Murray and succeed to the firm of Wells & Murray that bot out W. H. Roberts in July last year. I am located on the M. K. & T. and am the only regular grain dealer here.—Thomas Wells.

Wichita, Kan.—The Board of Trade took over the wire service of the B. C. Christopher Grain Co., Oct. 17. Mr. Appleby, who was the chalk board operator, will continue in the same service under the new management. This service is leased from the telegraf companies and no change will be made in the workings of the clearing ass'n or the Board of Trade. The deal had been pending for some time, delayed by legal proceedings and other matters not conducive to the building up of this grain market.

Almena, Kan.—The only regular grain dealers shipping grain from this station are F. C. Kellogg and the Central Granaries Co. All others are scoop shovelers and have no facilities whatver for cleaning, classifying or loading grain into cars.

Hutchinson, Kan.—The Larabee Flour Mills Co. has had a 50,000-bu. steel tank addition to its eltr. built by the Grain Storage Const. Co. The tank, 34 ft. in diameter and 65 ft. high, divided into 9 bins, is connected with the eltr. by a steel gallery over the top and a screw conveyor.

Kansas City, Kan.—A deputy sheriff recently raided the office of the Kansas Commission Co. in the Board of Trade bldg., on a search and seizure warrant on a petition which alleged that the company operated a bucket-shop and should be prohibited from doing business in Kansas.

Topeka, Kan.—Grain dealers and millers have held several meetings to organize a board of trade. A committee recently went to Wichita to learn details of operation. W. W. Walton, George Hackney and John Nicholson constitute the committee on organization and have reported articles of organization. David Page is chrm. and C. M. Lawrence sec'y.

Wichita, Kan.—Attorney-General Fred S. Jackson has written A. E. Helm, attorney of the Wichita Board of Trade, an opinion that the law forbids members of Boards of Trade executing orders for future delivery in their local or outside markets, and that transactions closed by the settlement on market differences are gambling. The only future delivery transactions permissible, according to Mr. Jackson, are those for which the seller hold Bs/L for the grain.

KENTUCKY.

Frankfort, Ky.—E. H. Taylor, Jr., & Son are considering building a first-class, 20,000-bu. eltr.

Louisville, Ky.—Arrangements have been completed for the sale of the Kentucky Malt & Grain Co. to a Chicago syndicate that will continue to operate the plant in this city and greatly extend the firm's operations.

Greenville, Ky.—The plant of the Greenville Mlg. Co. burned early in the morning of Oct. 15, including the mill, eltr. and 35,000 bus. of wheat; loss total, $60,000, about half of which is insured. Sparks from a passing locomotive are supposed to have started the fire. C. W. Roark is pres. of the company.

LOUISIANA.

St. Francisville, La.—The new eltr. and corn mill have been completed for Richardson & Percy.

New Orleans, La.—While we admitted 14 new members to the Board of Trade during the month of September, the only one interested in grain is the Langenberg Hay & Grain Co., of which C. S. Leach, Jr., is mgr.—H. S. Herring sec'y-treas.

New Orleans, La.—Receipts of grain during September included 78,000 bus. of wheat, 807,000 of corn and 124,000 bus. of oats; shipments, 24,009 bus. of wheat, 480,069 of corn and 74,254 bus. of oats.—H. S. Herring, sec'y-treas New Orleans Board of Trade.

Shreveport, La.—Boys' Corn Club Day will be observed Nov. 5 at the state fair here, and a Corn Club special consisting of eight pullman sleepers with no day coaches will be run by the La. Ry. &

Nav. Co., starting from Naples at 5:30 in the evening of Nov. 4 and stopping for other members of the club at Cordes, Sarto, Kleinwood, Rexmere, Zimmer, Bordelonville, Willard, Moreauville, Mansura, Hessmer, Belledeau and Bijou. Prof. V. L. Roy, state head of the corn clubs, will be here to receive the boys, who will hear speeches by corn experts and leave for their homes at 10:30 in the evening of Nov. 5.

MARYLAND.

BALTIMORE LETTER.

Hammond, Snyder & Co. received the first new ear corn of the season. It came from the eastern shore of Maryland and sold for $2.50 per barrel, yellow.

D. Yulee Huyett, who had been recovering satisfactorily from an operation for appendicitis, is suffering now from an attack of typhoid fever that makes his condition critical.

The directors of the Chamber of Commerce will soon take action on an amendment to Sec. 3 of Art. XXV of the by-laws striking out the words "Agents" and "Exchange inland for ocean documents."—C.

A committee of grain men recently waited on Pres. Bush of the Western Md. R. R. Co. and urged the building of an eltr. to be operated by the company. They received official assurance that this is one of the improvements under consideration.

Charles C. Macgill, pres. of the C. A. Gambrill Mfg. Co., has been appointed receiver for the grain commission firm of J. A. Loane & Co., that went into bankruptcy Sept. 30 with liabilities of $56,049, of which $31,800 are secured. Of the $37,820 of assets $35,262 is stock in trade pledged for loans.

It is understood on 'change that a deal in wheat has been consummated with French importers and that the quantity involved will call for the chartering of seven big steamers. Recently a similar deal was consummated with French importers and already five steamers have loaded and sailed for France with wheat from Baltimore.—C.

The receipts of new southern wheat at Baltimore during the period of July 1-Sept. 30, 1910, were 1,734,000 bus.; compared with 1,104,000 bus. for the corresponding period last year, an increase of 630,000 bus. This wheat is raised principally on the eastern and western shores of Maryland and on the eastern shore of Virginia near the bay and river fronts.—C.

The directors of the Chamber of Commerce have amended the by-laws substituting Traffic Committee for Transportation Committee, and have eliminated the old section that outlined the scope of the Transportation Committee and substituted the following: The Traffic Committee shall have entire supervision and direction of the Traffic Bureau and all its employes. It shall provide such quarters and supplies as may be necessary and recommend to the directors, if required, additional employes, the dismissal of same, or the filling of any vacancies that may occur. It shall consult with the traffic manager in outlining the general work of the bureau and advise him on all matters. It shall have charge of all matters relating to transportation, shall endeavor to procure and maintain all those rights and advantages to which the port of Baltimore is legitimately and naturally entitled, collect and preserve information in regard to freight rates and terminal charges, investigate detention of shipments in transit or delay in deliveries, and endeavor to obtain from transportation and eltr. companies due consideration for the individual rights of members. It shall consider all complaints against transportation or eltr. companies when properly brot before it, and when it deems the complaint just and sufficient cause for action, it shall, with the advice and consent of the board of directors, employ counsel and bring to trial any case or cases which may be regarded as of sufficient interest and value. It shall report annually thru its chairman to the directors, and submit a detailed report of the traffic manager on the workings of the bureau, and shall recommend such changes and extensions of its work as may appear advisable from time to time. All the expenses of the traffic bureau shall be subject to the approval of the executive committee, by whom they shall be audited, and no contract shall be entered into or obligation assumed, beyond the expenses of the bureau authorized by the executive committee, without the approval of the board of directors.—C.

MICHIGAN.

Freeland, Mich.—Thompson & Law have equipped their eltr. with a Hall Signaling Grain Distributor.

Detroit, Mich.—Chas. E. Oliver has removed to Portland, Me., as representative of an Indiana milling company.

Grand Rapids, Mich.—The mill and eltr. of the Valley City Mlg. Co., which burned in August, has been rebuilt and is now in operation.—William S. Rowe, pres. V. C. Mlg. Co.

Byron, Mich.—In the case of F. E. Close & Co., who sued the Ann Arbor R. R. Co. for $35,000 damages for the burning of their eltr. in a fire started by sparks from a passing engine, the jury returned a verdict in their favor, awarding them $20,562 damages.

Gov. F. M. Warner, who has been in the West on a tour of prison inspection, favors Colorado's system of building state highways by convict labor. The convicts live in camps along the roads in course of construction. Gov. Warner is quoted as saying: "In Michigan our prisoners would have to work in more thickly populated communities, and the curious would flock to their camps by thousands, which would breed discontent among the convicts and likely prove harmful; yet I think we should try it along the lines followed in Colorado."

Lansing, Mich.—The Supreme Court of Michigan has decided in favor of the carriers in the struggle of the Mich. R. R. Commission to enforce its own demurrage rules over those adopted by the railroads. In the lower peninsula the railroads promulgated a set of rules, effective Jan. 1, 1909, that was followed by the publication of the uniform code adopted later by the carriers. Early in this year the state commission promulgated a set differing in some essentials from the national code, especially in reference to loading and unloading. The Ann Arbor R. R. Co. instituted proceedings to enjoin enforcement of the Michigan code on the ground that it interfered with interstate commerce. The commission demurred, claiming that the rules applied solely to intrastate traffic and did not directly affect the interstate business. However, the supreme court holds that these rules do interfere with interstate commerce. After explaining that the commission's power is expressly limited to intrastate transportation problems, the court rules that "it therefore becomes unnecessary to consider the power of the legislature to grant the authority claimed for the defendant, since the limitations of the statute creating the commission negative any authority to enforce demurrage rules where the transportation is interstate."

Detroit, Mich.—Receipts of grain during September included 374,905 bus. of wheat, 368,802 of corn, 336,408 of oats, 17,084 of barley and 26,244 bus. of rye; compared with 314,497 bus. of wheat, 240,201 of corn, 294,601 of oats, 17,791 of barley and 50,900 bus. of rye received in Sept., 1909. Shipments included 1,816 bus. of wheat, 151,876 of corn, 28,621 of oats and 24,100 bus. of rye; against 5,951 bus. of wheat, 45,544 of corn, 52,747 of oats and 21,033 bus. of rye shipped in September last year.—F. W. Waring, sec'y Board of Trade.

MINNESOTA.

Madison, Minn.—Charles Webster is building an eltr.

Garfield, Minn.—The new eltr. for the Haydenville Farmers Eltr. Co. is almost completed.

Fosston, Minn.—Kolben Melland of Aure will have charge of the eltr. of the Farmers Eltr. Co.

Brownsdale, Minn.—The new eltr., replacing that burned last June, has been completed for the Huntting Eltr. Co.

Evansville, Minn.—The Evansville Farmers' Eltr. Co., incorporated by John Bitzan, A. G. Olson, N. J. Lindstrom and others; capital stock, $10,000.

Gaylord, Minn.—The Security Eltr. Co. has installed a dump scale in its house at this station.—Louis G. Becker, agt. S. Eltr. Co., Nahon sta., Aberdeen p. o., S. D.

McIntosh, Minn.—The farmers' company that recently purchased the eltr. of the Mnpls. & Northern Eltr. Co., has retained E. L. Stowe, the former agt., as buyer.

Beaver Creek, Minn.—The annex to the eltr. of the Hubbard & Palmer Co., filled to the top gave way under the load, Oct. 12, and let 11,000 bus. of oats out on the N. W. tracks.

Welcome, Minn.—The eltr. of the Rippe Grain & Mlg. Co., was damaged by fire in the morning of Oct. 7, believed to have been started by sparks from a passing locomotive.

Owatonna, Minn.—The new 20,000-bu. eltr. of the O. Farmers' Eltr. & Merc. Co., built by Honstain Bros., is well equipped with up-to-date machinery and has two motors, one for the feed mill, and one for the eltr. A convenient office and a storage room are among the improvements.

MINNEAPOLIS LETTER.

The new pres. of the Chamber of Commerce, George F. Piper, came into office Oct. 15, succeeding G. F. Ewe.

H. W. Ankeny has severed his connection with W. S. Ankeny & Co. and is going to the Pacific coast to spend the winter in Vancouver, B. C.

Admitted to membership in the Chamber of Commerce during September: William L. Smith, Thomas H. Welch, Dwight M. Baldwin, Jr., Joseph P. Hennessey, O. D. Christensen, P. M. Ingold, Charles M. Amsden, Frank H. Ellis; Frank M. Norton, L. D. Godfrey and D. J. Hanlon.—John G. McHugh, sec'y.

The Crescent Eltr. Co. one of the Van Dusen-Harrington interests, that recently bot Eltr. H from the Sterling Eltr. Co., paid $90,000 for the property subject to easements and mortgage.

The J. H. Riheldaffer Co. incorporated to do a general grain commission business in this city. Mr. Riheldaffer, who has been a member of the Chamber of Commerce many years, will take the active management.

John G. Barger has succeeded M. T. Barger as auditor for the Security Eltr. Co. Mr. Barger resigned to enter a bank in Linton, N. D.—Louis G. Becker, agt. Security Eltr. Co., Nahon sta., Aberdeen p. o., S. D.

H. F. McCarthy, formerly sec'y and general mgr. of the Interior Eltr. Co., has resigned to start in business for himself under the name of the International Grain Co., which will do a regular shipping business.

Receipts of grain in Minneapolis during September included 13,106,340 bus. of wheat, 737,760 of corn, 3,954,870 of oats, 2,911,250 of barley and 238,220 bus. of rye; compared with 1,344,660 bus. of wheat 369,450 of corn, 2,399,030 of oats, 4,080,900 of barley and 459,120 bus. of rye in Sept., 1909. Shipments during Sept., 1910, included 1,845,370 bus of wheat, 442,-110 of corn, 1,356,810 of oats, 1,884,580 of barley and 53,890 bus. of rye; against 3,252,200 bus. of wheat, 199,200 of corn, 1,513,690 of oats, 2,720,350 of barley and 158,250 bus. of rye in Sept., 1909.—John G. McHugh, sec'y. Chamber of Commerce.

Members of the Chamber of Commerce voted Oct. 12 on the proposed assessment, not to exceed $25 per member per annum, for the support of the Minneapolis Traffic Ass'n. to maintain this city's trade position against encroachments of other markets. The vote tallied 105 against the proposition and 198 for it. As the by-laws of the Chamber of Commerce require a two-thirds vote, the measure failed to carry; but the directors interpreted the vote of 198 favoring the assessment as indicative of the desire that the financing for the Traffic Ass'n should be done by regular appropriation instead of assessment, hence at their first meeting, Oct. 17, the newly elected directors decided to increase the Chamber's annual contribution to $7,500 to be paid out of the general appropriation The Chamber has been contributing $5,000 per annum to the support of the Traffic Ass'n. Besides the rental income from the new chamber, the old chamber and the annex, the Chamber of Commerce has an annual income of $55,000 from the $100 annual assessment and is in very good financial condition.

Pres. Geo. F. Piper announced, Oct. 18, the following new appointments of standing committees of the Chamber of Commerce: Quotations, J. L. McCaull, J. R. Marfield, J. L. Tracy, W. O. Timerman, F. A. Hallet. Membership committee of board of directors, F. A. Hallet, J. D. McMillan, F. M. Crosby, W. O. Timerman, J. L. McCaull, C. A. Magnuson, C. M. Case. Membership of the Chamber, J. H. Riheldaffer, G. A. Duvigneaud, D. F. Johnson, William Dalrymple, J. S. Mathewson, J. B. Gilfillan, Jr. Transportation, B. H. Woodworth, H. H. King, E. C. Warner, H. P. Gallaher, Cash grain, G. A. Morris, R. C. Davis, P. B. Getchell, William Hunter. Regular terminal eltrs., F. B. Wells, J. D. McMillan, Joseph Chapman, Jr. Investigation, Geo. P. Case, D. A. McDonald, S. J. McCaull. Rules, A. H. Poehler, F. M. Crosby, F. A. Hallet, J. L. Tracy. Car Sealing, J. B. Cooper, F. J. Smith, W. R. Beatty, J. B. Gilfillan, Jr., The new president, George F. Piper, and the directors, J. R. Marfield, F. B. Wells, A. C. Loring, F. A. Hallet, W. O. Timerman, F. M. Crosby, J. L. Tracy, A. H. Poehler, C. A. Magnuson, J. D. McMillan, J. L. McCaull and C. M. Case, constitute the governing body of the Chamber.

MISSOURI.

Belton, Mo.—The warehouse of the B. F. Hargis Grain Co. has been burned.

Caruthersville, Mo.—We are building a 2-story warehouse, 25 by 45 ft.—Horner Bros.

Jefferson, Mo.—The Missouri Railroad and Warehouse Commission has postponed until January its hearing on grain rates that was set for Oct. 18.

St. James, Mo.—Schneider Bros. Tie & Timber Co. are scoopers doing business here.—H. Boisselier, with Wm. Heller.

Louisiana, Mo.—Henry B. Shaw, son of the late C. R. Shaw of the firm of Shaw & Garner of this place, was killed in a railroad accident at Old Monroe, Mo., recently. The deceased was a brother of H. Clay Shaw, who represents Rosenbaum Bros. in Illinois and Iowa.

KANSAS CITY LETTER.

The Board of Trade has not yet made a decision in regard to moving into new quarters. The committee in charge of matters has practically decided in favor of the new building but is carrying on negotiations which may lead to a renewal of the lease on the old quarters.

The United States Supreme Court has set Dec. 5 as the day for argument of the case of Thomas J. Brodnax against the State of Missouri. This suit involves the right of the Kansas City Board of Trade and the St. Louis Merchants Exchange to make a deduction in weight in all sales of grain to cover alleged losses from dirt.

ST. LOUIS LETTER.

H. J. Barry, formerly of St. Louis, but who has been living for the past few years in Texas, has returned to this city and has applied for membership in the Merchants' Exchange.

The Merchants Exchange has prohibited curb trading and puts and calls among its members, the board of directors having approved the action of the president who gave notice some time ago.

The younger members of the Merchants Exchange are organizing an indoor baseball league patterned on that of the Chicago Board of Trade. W. E. Stewart, Louis Jones, Martin Mullally and Joseph Forestel are leaders in the movement.

The Stanard-Tilton Mlg. Co. is the defendant in a suit instituted by the Starr & Struiff Feed Co. for $15,000 damages alleged to have been suffered as the result of the former company building a large steel tank near the plaintiff's property, causing the ground to settle or sink.

John Dower, supervisor of the department of weights of the St. Louis Merchants Exchange, reports that during the month of September there were found at the different eltrs. and track scales 522 cars with leaking grain doors, 48 leaking over the grain doors, 1,868 with leaking boxes, 68 leaking at the end window, 120 with the end windows open, 897 cars not sealed and 145 with the end windows not sealed.

MONTANA.

Froid, Mont.—The Farmers' Eltr. Co., incorporated, capital, $10,000; incorporators: J. P. Miller, J. H. Holly and others.

Great Falls, Mont.—The Royal Mlg. Co. is building 8 additional concrete wheat tanks, which will be completed by Nov. 1.

Wibaux, Mont.—The eltr. of the Farmers' Eltr. Co. will be greatly enlarged and improved by the construction of an addition costing $11,000. P. A. Fischer is at the head of the company.

Buffalo, Mont.—The Peterson & Lewis Co., which is erecting an eltr. at Brady and which will also build at Collins, Cutbank and Columbia Falls, is considering the erection of an eltr. here.

NEBRASKA.

Snyder, Neb.—Conrad Schneider will equip his eltr. with two Hall Signaling Distributors.

Phillips, Neb.—We have just finished our 150-ton coal sheds.—E. C. Purdy, mgr. Phillips Grain Co.

Brickton, Hastings p. o., Neb.—The eltr. of the Updike Grain Co., which was burned recently, is being rebuilt, and will continue to be operated under a lease by F. G. Endelman.

Lincoln, Neb.—The eltr. of the Foster Grain Co. has been purchased by M. T. Cummings, of Beatrice, Neb. The eltr. has a capacity of 70,000 bus., and is accessible to 6 railroad lines. Mr. Cummings, who has had much experience in the grain trade, has assumed charge of the business.

Hildreth, Neb.—While at work with the gasoline engine recently Mr. Van Steinberg, mgr. of the Farmers' Eltr. Co. allowed his clothing to become caught in the machinery. Matches in his pockets were ignited, which set off a can of gasoline, drenching him with the blazing oil. He was able to shut off the engine, however, and cut his burning clothing from him with a sharp knife, suffering severe cuts as he did so. In spite of his injuries Mr. Van Steinberg will soon recover.

OMAHA LETTER.

M. T. Shepherdson & Co. have moved their headquarters from Sioux City, Ia., to this city altho the company will continue its offices in Sioux City.

The E. A. Nordstrom Grain Co. has instituted suit against the C. & N. W. railroad for $333.76 damages alleged to have been suffered as the result of delay and shrinkage in a shipment of grain.

Elmer E. Bryson, who killed himself Sept. 25, has left an estate valued at $20,-000, most of which is in personal property. His widow is the sole beneficiary, no provision being made for the missing son, Liston E. Bryson.

The Omaha Grain Terminals Co. has brot suit against the city for $25,000 damages alleged to have been sustained as a result of the condemnation of their property for the purpose of extending a street. A board of appraisers had fixed the damages sustained at $1 for each of the four companies whose property was to be condemned. The company contends that in addition to the property condemned the property adjacent suffered and asks judgment upon those grounds.

NEW JERSEY.

Hohokus, N. J.—S. Nagel, Jr., Coal & Grain Co., incorporated, capital stock, $50,000.

NEW YORK.

New York, N. Y.—Joseph R. Megrue, a retired grain merchant, died here Oct. 8, aged 66 years.

Buffalo, N. Y.—The new 1,000,000-bu. eltr. of the Spencer Kellogg Co. will be ready for operation early next season.

New York, N. Y.—A floating grain drier is being built for the Erie Elevator by the Ellis Drier Co. It will be operated in connection with the one in the eltr. at present.

New York, N. Y.—Stephen K. Fox, one of the best known members of the Produce Exchange, returned from his wedding trip thru Mexico recently and was given a hearty ovation from his brother traders.

Oneonta, N. Y.—As an echo of the Durant & Elmore failure at Albany, several months ago, the First National Bank of this city and two other creditors, on Oct. 14, filed a petition in bankruptcy against the Oneonta Milling Co.

NORTH DAKOTA.

Thorson, N. D.—The Farmers' Eltr. Co. is building an eltr.

Englevale, N. D.—The eltr. of the Acme Grain Co. has been closed.

Marmarth, N. D.—Charles Phelan has finished and has opened his eltr.

Carson, N. D.—An eltr. is being erected here for the Occident Eltr. Co. of Minneapolis.

Havelock, N. D.—Work on an eltr. for the Regent Grain Co. will soon be commenced.

Devils Lake, N. D.—Leslie Stevens of the Stevens Grain & Fuel Co. was married recently.

Dickinson, N. D.—I closed my eltr. Sept. 20, because of the poor crops.—John F. Harnden.

Glen Ullin, N. D.—Four out of seven eltrs. here are closed because of the poor crops.—John F. Harnden.

Regent, N. D.—M. D'Ollien of Sherwood, N. D., will buy for the Western Lbr. & Gr. Co.—A. E. Odegaard.

Heaton, N. D.—The eltrs. of the Lyon Eltr. Co. and the Monarch which were overturned in a cyclone recently and which are being reconstructed are rapidly nearing completion.

Forest River, N. D.—The eltr. of the Northland Eltr. Co. burned Oct. 6, together with 3,000 bus. of wheat, considerable other grain and 100 tons of coal, the total loss amounting to $10,000, partially insured. The eltr. of the Atlantic Eltr. Co. was threatened but escaped.

Eckleson, N. D.—Because of the poor crop here this year, the Eckleson Farmers' Eltr. Co. did not build an eltr. as it intended, but is using the small eltr. purchased from the Andrews Grain Co. E. F. Whipple is agt. here now for the Cargill Eltr. Co.—P. E. Knudson, mgr. Eckleson Farmers' Eltr. Co.

An unusually small amount of flaxseed is available for use during the coming year in some parts of the state, and I would advise the farmers to look about their neighborhood and buy some of the best seed that is to be found, and then treat that seed carefully. Those who wish may send us a half pound of the flaxseed in its present condition and our laboratory will give a complete analysis of it, telling what weed seed are present, and what percentage will grow.—H. L. Bolley, Agricultural College.

Columbus, N. D.—Clarence Dunwoody, formerly in charge of the eltr. of the Standard Grain Co. was arrested in Arizona recently, and has been brot back to answer to the charge of embezzling $1,700 of the company's funds. Dunwoody came to the Standard Grain Co. highly recommended, but had been employed only a short time when he began his alleged fraudulent practices.

OHIO.

Sedalia, O.—Vent & Riddle are erecting a large grain warehouse.

Canton, O.—The Canton Feed & Mlg. Co. has bot the mill of Hiram Shaub.

Ada, O.—The Burkeholder Co. is erecting a new eltr. with a capacity of 35,000 bus.

Conover, O.—I have succeeded Shaffer & Cromer and have installed a feed grinder.—C. W. Shaffer.

Tiffin, O.—Hensinger & Rouge is a new hay and grain firm which has located here. Mr. Hensinger was formerly in business at Republic, O.

Urbana, O.—The eltr. formerly operated by E. T. Woodcock has been remodeled by Alden Beatley and will be opened in time for the fall business.

Woodstock, O.—I have bot the eltr. of Wes Hardman and took possession Oct. 20. I intend to install a gasoline engine.—Howard Townsend, Irwin, O.

Cleveland, O.—A fire, thot to have been caused by a spark from a switch engine falling in a pile of chaff, caused a loss Oct. 5 to the E. M. Folsom Co. of $20,000.

St. Paris, O.—Myers and Bentzel have just completed their new office. They also built a warehouse in addition to eltr. to be used for seed, flour and feed.

Gilberts sta. Burkettsville, O.—S. S. Earhart, of the Earhart Grain Co., has quit the grain bushiness to engage in the grocery business. The grain business will continue here as before.—C. C. Corwin.

Toledo, O.—Henry W. Devore has been chosen as second vice-president of the Produce Exchange succeeding W. W. Cummings, who has resigned. Mr. Devore has been in the grain business for 33 years.

Toledo, O.—The Produce Exchange is distributing copies of the address delivered by E. Pfarrius of New York at the recent convention of the Council of North American Grain Exchanges on improved methods of farming whereby to increase the yield of grain per acre.

Toledo, O.—The Northwestern Ohio Hay & Grain Dealers Ass'n held a meeting here Oct. 10, at which the following officers were re-elected: W. T. Dolby, Delphos, O., pres.; H. Eichenberry, Van Wert, O., vice-pres.; T. P. Riddle, Ft. Wayne, Ind., sec'y.; H. G. Pollock, Middlepoint, O., treas.; executive board: W. T. Dolby, T. P. Riddle and A. H. Raabe, Ft. Jennings.

Columbus, O.—The regular fall business meeting of the Ohio Grain Dealers' Ass'n will be held at 10 a. m., Friday, Oct. 28 at the Chittenden hotel. Among those present will be the Hon. A. P. Sandles, sec'y of the Ohio Dept. of Agriculture. The program will be informal and everyone will have an opportunity to join in the discussions. The meeting will close the same day and in time to permit those attending to return home that day.

OKLAHOMA.

Braman, Okla.—McFarland & Stauffacher are no longer in the grain business here.

Weatherford, Okla.—The eltr. of the Independent Eltr. Co. burned Oct. 9, with 9,000 bus. of wheat. Loss, $15,000; insurance, $10,000.

Texhoma, Okla.—The J. E. Patton Grain Co. is having some additional machinery installed. The P. H. Pelkey Const. Co. has been given the contract.

Shattuck, Okla.—The eltr. of O. W. Hutchison, which was badly twisted by a cyclone recently while full of grain is being repaired and having new machinery added. The P. H. Pelkey Const. Co. has the contract.

Guthrie, Okla.—In reply to the Lenepah Grain & Hay Co. Atty. Gen. West has stated that the Oklahoma weights and measures law makes it illegal to put up cornmeal or chops in sacks of any weight other than those set out in the law, which are 36 lbs., 17½ lbs. and 8¾ lbs. for cornmeal, and 100 lbs. for cereal feeds. The Lenapah Co. had desired to pack cornmeal in 10 and 20-lb. packages with correct weight printed thereon.

OREGON.

Portland, Ore.—A thousand tons of the wrong kind of wheat was loaded into the steamer Uganda recently necessitating its removal and causing the exporters, Balfour, Guthrie & Co. considerable expense and delaying the shipment for a week. When loading is completed the big carrier will clear for St. Vincent with 220,000 bus.

Portland, Ore.—The 1910 wheat standard for the Pacific Northwest has been fixed by the grain standard committee of the Portland Chamber of Commerce at the following weights: White Walla Walla, 59 lbs; export blue stem, 58½ lbs; fine, 58 lbs; red Russian, 57 lbs; Turkey red, 60 lbs; red Walla Walla, 58½ lbs; milling blue stem, 58 lbs. This shows the crop to be better than the average, the weights, excepting red Russian, being greater than last year. The committee has appointed Thomas Kerr chief grain inspector with the following deputies: Thomas Fairfowl, D. T. Brush, A. J. Shanks and John Dillon for the Portland district; George Denman, Archibald Grand, H. Cenbrough and C. C. Paget at Tacoma for the Puget Sound district.

PENNSYLVANIA.

Pittsburg, Pa.—I think Pittsburg is going to have mighty good times this winter; collections were never better.—Jos. C. Moore.

McKnightstown, Pa.—W. O. Anderson has started in the grain business here and has built a grain eltr. He will install a corn sheller, oats clipper, chain drag, feed mill, gas engine and oats bleacher.

Pittsburg, Pa.—The Grain & Flour Exchange will hold its annual banquet at the Fort Pitt hotel, Thursday, Oct. 27. Good speakers have been obtained. Henry G. Morgan is chairman of the committee on arrangements.

PHILADELPHIA LETTER.

Complaint is general that business is unusually quiet and in fact dull, and those on the grain floor of the Commercial Exchange have lots of odd time to wait upon customers.

Richardson Bros. are going to increase their floor facilities. The office force has already been increased.

Arrangements have been made by the Interstate Commerce Commission for a hearing here on the charges of discrimination by the carriers against this market.

Neither the guaranteeing or indemnifying Bs/L finds any endorsers among the hay, grain, flour and feed receivers in this vicinity, as they say it may be the proper thing for the West and other sections, but not for us.

The export grain firms here take great pleasure in the announcement that the steamship lines from this port to Hamburg as well as to Bremen will be largely augmented with modern ships of the largest capacity and to be given frequent sailings.

SOUTH DAKOTA.

Crocker, S. D.—Ross Parks, of Lily, is organizing a Farmers Eltr. Co. here.

Nunda, S. D.—Lightning struck the eltr. of the Farmers Eltr Co. recently and caused considerable damage.

Lemmon, S. D.—L. A. Sattler of Haynes, N. D., is now buyer for the Western Lbr. & Gr. Co. here.

Presho, S. D.—Arthur Reetz, of Armour, has bot a grain and grocery business here, taking charge Oct. 10.

Faulkton, S. D.—The eltr. of C. E. Warner has been burned together with 5,000 bus. of wheat and 2,000 bus. of flax.

Aberdeen, S. D.—The annual meeting of the Farmers Co-operative Eltr. Ass'n of South Dakota will be held in this city in February.

Freeman, S. D.—A new foundation has been built under the eltr. of the Haar & Jundt Co., bigger cups put in and other repairs made. A. A. Wollmann has strengthened both his eltrs. by building new foundations.

SOUTHEAST.

Richmond, Va.—The American Terminal Warehouse Corporation will erect an eltr.

Norfolk, Va.—We have just completed a combination eltr. and sacking plant with a capacity of 30,000 bus. storage and able to sack 15,000 bus. daily. It is operated by electricity and is located on the N. & W. Ry.—J. H. Cofer & Co.

Jackson, Miss.—The state railroad commission has prepared a rate for reshipping grain and hay and shelling corn in transit between points in Mississippi which will be subject to revision after a month's trial. Shippers will be required to keep a record of all receipts from all sources and to furnish affidavit as to its accuracy when requested. The rules of the Interstate Commerce Commission have been closely followed and will be of great advantage to producers and shippers of grain.

TENNESSEE.

Memphis, Tenn.—Chas. Kolp, formerly of McCord, Crockett & Kolp has bot the interest of W. W. Dillard in the firm of Trenholm, Dillard & Co., which firm will now be known as the Trenholm-Kolp Co. John M. Trenholm will be president and Mr. Kolp sec'y and treas.

NASHVILLE LETTER.

New corn has already been put on this market in limited quantities. Receipts of grain have been very light this month and much below the usual average.—S.

A charter has been granted the Gillette Grain Co. of Nashville. Capital stock, $10,000; incorporators, F. E. Gillette, Jr., W. P. Bearden, J. W. Jefferson, G. A. Harrington and W. P. Nicholson.

W. E. Castle, formerly president of the Millers National Federation and for the past year sec'y of the Southeastern Millers Ass'n, has resigned his office and will devote his time to the business of the American Flour & Grain Co.

TEXAS.

Dallas, Tex.—J. H. Moore & Co. have discontinued the grain business.

Hale Center, Tex.—The Hale Center Grain & Coal Co. has erected a grain warehouse, 40x18x16 ft. with a capacity of 85 tons.

Amarillo, Tex.—The Early Grain & Eltr. Co. is remodeling its eltr. and installing additional machinery. The P. H. Pelkey Const. Co. is doing the work.

Memphis, Tex. — The Hall County Farmers Union Warehouse Co., incorporated, capital, $3,400; incorporators: D. P. Webster, J. F. Bradley and J. N. Bartlett.

Austin, Tex.—The Texas Railroad Commission on Oct. 14 granted the petition that mixed feed take grain rates, with the provision that the feeds must contain certain amounts of various cereals.

Dallas, Tex.—The executive committee of the Texas Corn Growers' Ass'n held a meeting here Oct. 19 to arrange for the Texas Corn Show and to make arrangements for Texas representation at the National Corn Exposition to be held at Columbus, O., Jan. 30 to Feb. 11.

WASHINGTON.

Quincy, Wash.—It is said that members of the state railroad commission are not inclined to view the claim of the Farmers' Warehouse Co. of this town with much favor. The company ordered 2 cars in which to ship bulk wheat without making reservation as to capacity. The wheat filled one and partially filled another. The company charged for the capacity of both cars, hence the complaint.

Spokane, Wash.—The F. M. Martin Grain & Mlg. Co. has brot suit against Mrs. J. S. Boone, who is accused of the murder of her husband, claiming that Mr. Boone failed to deliver 1500 bus. of wheat last December at an agreed price of 91c, despite the fact that he had secured $550 in advance on the contract. The company was forced to buy the wheat for $1.12 and sues for the difference amounting to $484 and costs.

WISCONSIN.

Valders, Wis.—The eltr. of the Manitowoc Malting Co. has opened for business.

Denmark, Wis.—The Algoma Produce Co. has bot the eltr. of Kirwanek Bros.

St. John, Calumet p. o., Wis.—John Hicks will erect an eltr. 24x60x69 ft. equipped with a full line of up-to-date machinery.

Colfax, Wis.—The Pioneer Eltr. Co., incorporated, capital, $25,000; incorporators: Thomas E. Thompson, John D. Burns and Minnie M. Burns.

Eau Claire, Wis.—The old Lakeside eltr. is being rapidly reconstructed and as soon as completed will be occupied by the Farmers' Co-operative Produce Co.

MILWAUKEE LETTER.

Oliver C. Owen formerly with Owen & Bro. Co., has started in business on his own account.

The Hansen Malting Co., incorporated, capital stock, $26,000; incorporators: Carl E. Hansen, Otto R. Hansen and K. M. Cuvaney.

New members of the Milwaukee Chamber of Commerce are Moritz J. Mitzenheim, Richard H. Haertel and August Paulsen of Milwaukee and Andrew J. Pick and S. F. Meyer of West Bend, Wis.

The Milwaukee Superior Eltr. & Warehouse Co., incorporated to maintain eltrs. and cold storage plants at Milwaukee, Superior and other Wisconsin lake ports, capital stock, $25,000; incorporators: J. P. Finney, Richard H. Huertal and John Hogan.

The new corn milling plant of the Chas. A. Krause Mlg. Co. is now in operation. The mill building is constructed of reinforced concrete columns, girders and joists with floors of wood, 4 ins. thick. The eltr. consists of 8 circular bins with a total capacity of 100,000 bus. The mill is equipped with the most up-to-date machinery and can grind 10,000 bus. of corn per day.

U. S. Atty.-Gen. Wickersham has instructed his first assistant, W. S. Kenyon, to meet a committee from the Chamber of Commerce with a view to proceeding against the Chicago Board of Trade for alleged restraint of trade. The Milwaukee traders also will have introduced in Congress, it is said, five bills, to make public warehouse receipts public property; to prohibit public warehouse companies from trading in grain stored in their elevators; to prevent warehouse men from collecting storage charges on grain not in store, to establish federal inspection of grain out of as well as into public warehouses, and to make the Board of Trade quotations public property.

The ballot Oct. 21 on amendment of Section 7 of Rule 32 of the rules of the Milwaukee Chamber of Commerce resulted as follows: For amendment 58 ballots. Against amendment 66 ballots. The amendment was thus lost. The present rule reads as follows: "To members of the Chamber of Commerce of Milwaukee elected and qualified on or before March 1, 1906, and to active members thereafter, and to members of the Chamber of Commerce of Minneapolis or the Board of Trade of Chicago, who are also members of the Chamber of Commerce of Milwaukee, not less than one-half of the regular rates of commission may be charged, except as hereinafter provided." The amendment proposed to make the words "one-half" read "three-quarters." This Section refers to the following transactions: "For receiving and selling on arrival, to arrive, or for some future month's delivery," for "Buying and shipping" and for "Buying of grade lots."—H. A. Plumb, sec'y Chamber of Commerce.

We think that every reliable grain dealer should read the Grain Dealers Journal.—F. A. Hague, mgr. Farmers Federation, Cherokee, Okla.

For 47 years the crop reporter of the Department of Agriculture in Bartholomew county, Indiana, Joseph I. Irwin, died recently aged 84 years.

Local Agents.

BY UNCLE PEDRO.

Management of grain concerns has a great deal to do with their progress and success, especially so has the general management, but the local management, such as the agents for line companies is equally important.

Hundreds of independent dealers, and managers of line concerns, meet in conventions here and there, discuss the many problems and "have their pictures taken." I admit that such conventions are all right. Agents would not want to be in those pictures, because we haven't good enough clothes, and consequently might mar the beauty of the picture. We are just as good looking as they are, and the most of us have good "cheek." While the big fellows are having those revivals, and love feasts, ought not the agents to have an opportunity to make friends with others in the business?

Hundreds of agents thru the country have never seen a car unloaded by the power process; they have never seen cars inspected and "plunged" or tests made by experts. They do not know how exchanges are conducted. They are kept in a state of ignorance, being supposed to buy "their share" of the grain from instructions. If a car misgrades, they probably get a "jacking up" and hardly know the whys or wherefores of it. But if a car goes "awful good" they never hear a word of appreciation.

Some agents have the crudest forms of keeping accounts and, I have seen offices that would puzzle a fellow to know how in "Sam Hill" one could tell whether you were inside or out, as the dirt was about an equal stand off with the soil out side; books and accounts were likewise. The agent probably had been hired by some traveling auditor, who gets around once in 2 or 3 months, the head management had never seen the agent and the agent had never seen the head. Iron clad rules are laid down many times which if adhered to would put a fellow out of business.

I remember a young fellow who once ran a line house in a little town, and as a competitor he had an independent buyer who was a fine man, and very accommodating. Farmers would sometimes want to buy a little grain, a few bushels of oats until they threshed, or some wheat for seed, or for chickens, the amount of course would be small, this individual would accommodate them, but the line company had an ironclad rule, that agents should not sell or loan any grain. Farmers would come to the line house, and upon being refused a little accommodation, would pass by that place. This was cutting quite a figure in the business. The young agent wrote his people about it, and got a short reply, that he must understand the rule was to not sell any grain, as there was no profit made in little drib retail business. It meant one of two things, either break the rules or lose a lot of the business, which was hardly half any way.

He simply sold a farmer what he had to in order to keep in with the trade, took the money and never made any report of it. If he sold 4 bus. of wheat for $3.20 he simply kept the money until some one brot in a load of wheat, then if the load weighed 51 bus. he issued a check covering 47 bus, and paid the $3.20 over in cash. That way the amount of wheat was kept straight. Sometimes if wheat was higher, he had to put up a few cents and if wheat was lower he was a little ahead so it made about an even stand off.

I knew another case of where an agent wanted a pinch-bar as there was an old railroad bar there that would not move a wheel-barrow and he wrote in asking for a pinch-bar, explaining the condition of the railroad bar. He got a short answer back, that it was the duty of the railroad company to furnish a bar. This agent put up with it a little while and then resolved to have a bar, so he sold out $5.25 worth of grain little by little and kept the money in a bunch and sent for a new bar and 2 extra triangle grips. Of course it made the shrinkage that much more, but he had a good bar after that, and the home office didn't know anything about it either.

The life of agents could be made a great deal more successful if they were in closer touch with the head offices. If all the agents were called in during some slack time of each year, and got fully acquainted with the head managers, and the managers with the agents, have a 2 days' convention, to see how grain is handled at the other end, discuss the problems that confront the agents, and I'll go you a $2 dog you would all be surprised at the benefits.

I heard the secretary of a grain company say once that he figured that it cost them $1,500 to make a new agent. I presume it is nearly right, but I am sure that amount could be cut down a whole lot by mutual co-operation. When a company can get its agents to have a personal interest in its business, and the agents feel as tho the company has a personal interest in them, then they get along so much better.

Another thing that bothers agents and also managers, is this everlasting fear of being dismissed; and then on the other hand the company which has some good old men, does not want to lose them. Why could not a company make this offer: "We will give you $60 a month as a salary and if you stay right with us for a year, we will give you $70.

Managers all know it isn't the agents that get the most bushels that are the best buyers, not by a jug-ful. On the other hand it isn't the fellow who makes the big profit on a few men that is the best, he might soon ruin the business at that station. It is the fellow that gets the business "rights" in the full measure of the term.

Exports of Canadian Grain in Bond.

Canadian wheat in transit to foreign countries was received and shipped from American ports on the Atlantic seaboard during the eight months prior to Sept. 1, as follows: Baltimore, 1,174,611 bus.; Boston, 3,207,887 bus.; New York, 3,510,287 bus.; Philadelphia, 2,734,099 bus.; Portland, Me., 3,930,043 bus.

A summary of the various grains that passed thru those five ports in transit from Canada to foreign countries during the eight months shows the following totals: Barley, 744,831 bus.; buckwheat, 460,778 bus.; oats, 804,721 bus.; rye, 59,108 bus.; wheat, 14,556,927 bus., as reported by O. P. Austin, chief of the Buro of Statistics.

I appreciate the crop reports in the Journal, as there are so many and from different parts of the country. We could not keep house without the Journal.—E. T. Custenborder, mgr. Adlard & Persinger, Sidney, O.

Rebuilt Elevator at Lindsay Okla.

The grain elevator represented in the engraving herewith is only one of the several buildings composing the extensive plant of Keel & Son at Lindsay, Okla. Besides the elevator and office Keel & Son have a corn sheller house taking power from the same 86-ft. line shaft direct connected to the 70-h.p. steam engine, the elevator, sheller plant and power house standing 20 ft. clear of each other.



New Elevator of Keel & Son at Lindsay, Okla.

All the buildings have concrete floors.

The grain elevator was an old frame structure. It has been rebuilt and covered with sheet iron. In the 10-ft. concrete basement are a No. 2 corn cleaner, No. 2 double acting meal sifter, 7x11 corn elevator boot and 4½x6 meal legs. On the main floor are a 9x24 Nordyke & Marmon 3 pair high roller mill for chops and meal, 100-bu. Fairbanks Hopper Scales swung from above, large meal and chop bins and four corn bins of 4,000 bus. capacity each.

Connection has been made to the city water mains for fire and boiler supply in addition to the 187-barrel tank on the premises.

Exports of Glucose, Corn Oil and Cake.

During the eight months ended Sept. 1 we exported 87,518,007 lbs. of glucose, 7,589,409 lbs. of corn oil and 38,598,278 lbs. of corn oil cake; compared with 61,265,592 lbs. of glucose, 17,700,423 lbs. of corn oil and 34,601,544 lbs. of corn oil cake exported during the same period of last year, as reported by O. P. Austin, chief of the Buro of Statistics.

Exports of Breadstuffs.

Our exports of breadstuffs for the 9 months prior to Oct. 1, included 3,194,261 bus. of barley, 27,141,951 of corn, 1,390,580 of oats, 17,222 of rye, 13,571,825 of wheat and 5,513,187 bbls. of wheat flour; compared with 2,652,097 bus. of barley, 25,193,717 of corn, 837,210 of oats, 308,572 of rye, 26,218,986 of wheat and 6,245,677 bbls. of wheat flour during the corresponding period of 1909.

The total value of breadstuffs exported during the 9 months prior to Oct. 1, amounted to $64,426,540, compared with $82,651,552 worth in the corresponding period of 1909, as reported by O. P. Austin, chief of the Buro of Statistics.

Seeds

During the week ending Oct. 22, New York exported 358 bags and imported 212 bags of clover seed.

Geo. Carvers' Sons, seed dealers, have purchased a site on the river at Buffalo, N. Y., for distributing their products.

The rate on timothy seed from Duluth, Minn., and Superior, Wis., to Toronto, Ont., is placed at 25c by the West Trans in ICC 269; in effect Nov. 7.

Monticello, Ind.—Late rains have damaged clover seed considerably, fairly good quality, poor yield.—A. W. Loughry, Loughry Bros. Mlg. & Grain Co.

A department of plants and seeds will be established by the government of Venezuela, in charge of the Minister of Fomento, Plant and Seed Section, Caracas, Venezuela.

Minneapolis received during September 853,670 bus. of flaxseed and shipped 174,950 against 999,060 bus. received and 120,530 shipped during Sept., 1909.—John G. McHugh, sec'y Chamber of Commerce.

Clover seed receipts have been heavy this fall, largely because growers can sell their cash stuff at the price of the far months. Nine-tenths of the samples now coming in at Toledo are weather-stained or otherwise defective.—John Smith.

London, Eng.—With the marvelous weather experienced, the autumn sowing demand still lingers. Trifolium practically sold out. Winter tares firm; qualities find fair demand. The new clovers and grasses are now appearing, showing fine samples and fair crops.—John Picard & Co.

The Santa Fe in Sup 28 to ICC 3940 gives the rate on alfalfa and blue grass seed from Kansas City, St. Joseph, Mo., Atchison, Kan., and Leavenworth, Kan. (when originating at points west of Missouri River), to Chicago rate points at 27c; Peoria rate points, 24½c, and Mississippi River rate points, 22c; in effect Nov. 1.

The government report on the condition of flaxseed Oct. 1 made North Dakota only 35 per cent, against 84 a year ago. In South Dakota and Minnesota the condition is placed at 60, against 87 in the first named and 85 in South Dakota a year ago. The condition for the United States is placed at 47.2, compared with a 7-year average of 83.4.

Des Moines, Ia., Oct. 1.—This year's crop of clover seed is estimated at 68% of the five-year average in the northern section of Iowa, 53% in the central and 59% in the southern part of the state; yield of timothy seed in the three sections, northern, central, southern, 34%, 39% and 42%, respectively.—George A. Wells, sec'y Western G. D. Ass'n.

Chicago received, during the week ended Oct. 22, 978,000 lbs. of timothy seed, 208,800 lbs. of clover seed, 575,800 lbs. of other grass seeds and 33,000 bus. of flaxseed; compared with 2,557,335 lbs. of timothy seed, 54,345 lbs. of clover seed, 2,132,525 lbs. of other grass seeds and 52,000 bus. of flaxseed received in the corresponding week of 1909. Shipments included 241,000 lbs. of timothy seed, 22,400 of clover seed, 115,200 lbs. of other grass seed and 6,400 bus. of flaxseed; against 655,320 lbs. of timothy, 47,812 of clover, 1,226,632 lbs. of other grass seeds and 7,748 bus. of flaxseed shipped in the same week last year.

Toledo received during the week ending Oct. 22, 2868 bags of clover seed as against 1800 received during the corresponding week of last year. The total received this season to date amounts to 27,770 bags; against 14,570 last year. Shipments for the week amounted to 875 bags; against none a year ago. The total shipped to date this season amounts to 3095 bags; against 2500 last year. The receipts of alsike for the week were only 95 bags, bringing the total for the season to 5595 bags, against 5930 last season.

Imports of clover seed during the eight months prior to Sept. 1 amounted to 9,983,711 lbs.; exports, 2,187,511 lbs.; compared with 10,997,590 lbs. imported and 9,239,230 lbs. exported during the corresponding months of last year. Imports of flaxseed during the eight months aggregated 5,269,181 bus.; exports, 4,138 bus.; against 862,223 bus. imported and 2,953 exported in the same months of last year. Timothy seed exported during the eight months prior to Sept. 1, 1910, amounted to 15,721,041 lbs. against 14,788,110 lbs. exported during the corresponding period of 1909, as reported by O. P. Austin, chief of the Buro of Statistics.

Purdue University at Lafayette, Ind., has reopened its seed testing laboratory. It is conducted by the state and federal government in co-operation, and its service is free of charge to the seed dealer or grower. Expert and accurate work can be depended upon. The laboratory is in a position this season to make reports promptly. Germination tests take from 6 days for clover and alfalfa to 30 days for bluegrass. A purity test can be made in a few hours. Samples of clover or alfalfa should be 2 or 3 ounces and of other grass seeds half as much. Address Agricultural Extension Department, Purdue Experiment Station, Lafayette, Ind.

Clover seed is an international game. Toledo leads the world but cannot entirely dictate the price. When prices are low, our country exports; when high, we import. Supply and demand of the world must always be considered. Quality and speculative conditions are also important factors. Exceptional weather in September has made the crop larger than was expected. Local bulls are the principal longs. Largest October long is of the stubborn variety, willing to wait a year for results. He demands delivery and will get the actual stuff. This has a tendency to keep our market congested. December shortage is a fair one, but the longs are more scattered. Trade is not large and market is sensitive. Speculative demand will continue to make the price in the near future. Imports and receipts will have some effect.—C. A. King & Co.

R. L. Stephens, Markdale, Ont., a seed dealer, was charged with a number of violations of the Seed Control Act. He pleaded guilty and paid fines together with costs of court. On Mar. 17 a seed inspector found him offering a sample of alsike containing 1,208 noxious weed seeds per ounce, together with some other samples that were offered in violation of the Act. On Apr. 4 another inspector visited Mr. Stephens and found the same alsike still being offered. It had been recleaned, but the proportion of weed seeds had not been reduced. During September 182 samples of weeds were received at the Ottawa seed laboratory for germination or purity test. Of these only nine came from farmers. Of the 15 samples of red clover seed tested for purity, 6 graded No. 1, 7 were second quality and 2 prohibited. Of the 58 samples of alsike tested, 3 graded No. 1, 40 were second quality, and 15 prohibited. Of the 6 samples of timothy tested, 4 graded No. 1 and 2 were second quality.—Geo. H. Clark, Seed Commissioner of Canada.

Clover seed was very erratic this week. Liquidation caused prices to decline sharply, the incentive being prospects of more seed than early expected, and a very sick grain market. Reaction came when shorts took fright. They found little for sale until price reached about $9. Market now will be influenced by the whims of bulls and bears. Prices seem to be on debatable ground. Some think we have had an over-production of everything in this country which will have its influence, even though seed may be below the average both as to quality and quantity. Bulls claim seed will be used no matter what the price. It is a necessity and the only natural fertilizer. They claim this country is becoming educated more each year to use the best grades possible, being cheaper in the end. Good seed will be scarce this year, especially the medium. Receipts of medium so far show the poorest quality in years, and shippers must not buy it close to prime. Rejected and N. E. G. will probably sell at the biggest discounts in years. Another feature, dealers cannot hedge this kind safely and must buy it cheap.—J. F. Zahm & Co.



Corn Crop witho ut Fertilization.

Fertilizers Double the Crop.

The value of rotation of crops and fertilizing of the soil has been recognized for many years, but for some reason it is not practiced to the full extent that it should be. Years ago the farmer commenced the practice of rotating the crops of corn and clover on his fields, plowing the corn under to strengthen the soil. This plan proved very satisfactory, but in later years has been very much improved upon by the scientific study of our soils.

A marked example of the fine results of scientific farming is noted in the following test at the Illinois Agricultural Experiment Station. Three uniform fields, A, B and C, each produced an average of 63 bus. per acre for 3 years. They were then sown for three years in oats, clover and cowpeas, in rotation, after which each field was divided into three parts. No treatment was applied to A, limestone was applied to B and both limestone and phosphorus were applied to C.

A regular three-year rotation was also begun; one-third of each field being in corn, one-third in clover and one-third in oats. As an average for the three years field A produced per acre 67 bus., field B, 69 bus. and field C, 74 bus. This process was continued and the average yield per acre for the next six years in field A was 63 bus.; in field B, 67 bus., and in field C, 87 bus. We see that the yields of fields A and B have decreased while that of C has increased. The conclusion is that the combination of limestone and phosphorus is what the soil needed.

The engraving herewith in which the dense growth of corn will almost hide a man is the 1909 crop at the Illinois station, where clover and crop residues were plowed under and limestone and phosphorus applied, resulting in a yield of 79 bus. per acre. Contrast this luxuriant crop with the 1909 corn shown in the second engraving, where all crops were removed and no treatment applied, the yield of corn being only 35 bus. per acre.

The fundamental cause of the low production is in the soil, which may be kept in a healthful state by adding about one-half ton per acre of ground limestone once every four or five years, and rotating corn, oats and clover, or corn, wheat and clover; or wheat, corn, oats and clover (for grain raising) and corn, oats and clover (for live stock farming). In grain farming only grain or seed should be removed from the farm; all clover, straw and stalks should be returned to the field from which they were taken in order to maintain the correct proportion of organic matter and nitrogen which are as important as limestone and phosphorus.



A Fertilized Corn Crop at Illinois Experiment Station.

Enormous Yield Claimed for Egyptian Wheat.

BY W. D. HORNADAY.

The wonderful results in growing Egyptian wheat on the Texas side of the lower valley of the Rio Grande would almost challenge belief but for the ample corroborative facts and testimony easily available.

Prof. F. M. Mally, agricultural expert of the Texas department of agriculture, who made a thoro personal investigation of this grain in different sections of the Rio Grande valley, says:

"I made my inspection of the fields of Egyptian wheat in the vicinity of Mercedes, Donna, Lyford and Kingsville just at the beginning of the first harvesting season in May of this year. I am confident that some of the fields that I inspected ran fully one hundred bushels per acre. The fact that the heads are fed to the live stock without threshing makes it impossible to give the actual yield. I see no reason why the second crop of the grain should not yield as much per acre as the first if it is given proper cultivation. As it takes only about three months to grow each crop it ought to be possible to raise three crops a year upon the same land."

Professor Mally did not care to make any estimate on the possibilities of the third crop from the same stubble in a single year, but it is claimed by men who are growing the grain that the third crop should give a yield of not less than 80 bus. per acre. This would make a total yield of 280 bus. per acre upon the same land and from a single planting in nine months.

This is the first year that the growing of Egyptian wheat has been attempted in the lower Rio Grande valley. The seed was planted in March and the first cutting was done the latter part of May. A new and luxuriant growth immediately sprang from the stubble and the second harvesting began the latter part of August. It is expected that the third crop from the same stubble will be ready for the harvest by the latter part of November.

The remarkable yield of grain that is obtained is attributed by Professor Mally to the ideal climatic conditions that exist and the fact that the proper methods of irrigating and cultivating the crop are used by the growers in the Rio Grande valley.

In addition to the grain crop, the slender stalks and foliage of this wheat ranks superior to Kaffir corn, sorghum and milo maize for forage, Professor Mally says, "Each cutting produces two to three tons of forage, or a total of six to nine tons per acre each year. I walked through fields of Egyptian wheat the stalks of which grow to a height of eight to ten feet. Its growth under irrigation is simply wonderful. The heads are from twelve to eighteen inches long and are literally loaded down with the plump, light-colored grains."

The success of the first year's Egyptian wheat crop in the Rio Grande valley has attracted so much favorable attention that there will be an enormous increase of acreage of the grain next year in that section. The cost of growing a crop is comparatively small. It is considered practically certain that the stubble will live through the mild winter in the valley and that it would probably produce an abundant yield without replanting during the second year, Professor Mally says: "The new growth from the old stubble will doubtless provide an excellent winter pasturage for hogs and other live stock. This grain is essentially a dry land crop, altho much greater results in the matter of yield are obtained in the valley of the Rio Grande where it is grown by irrigation. It is a crop that ought to be grown extensively all over Texas. Where grown by dry land farming methods it produces one crop of 50 to 60 bus. per acre. It will grow anywhere that Kaffir corn or milo maize are raised. Its successful production is not limited to irrigation districts. It will make more forage per acre than any other forage crop and will stand more drouth than either Kaffir corn or milo maize for the reason that its roots go down deeper into the soil."

"California" Wheat Exposed.

The United States Department of Agriculture has examined the "California" wheat for which an Oklahoma man is making wonderful claims and exacting a price of 50 cents per pound from credulous wheat growers who would try the seed, and reports it to be nothing but the seed of shallu, a variety of sorgum.

Claims of 200 to 400 bus. per acre for this sorgum are declared by the government officials preposterous, as the best grain sorgums yield 50 bus. and average 35 to 40 bus. to the acre. Other extravagant claims made for the "California" wheat are drouth resistance, feeding value of the grain, and tonnage and feeding value of the fodder.

I have been getting a good many replies to my advertisement in the Grain Dealers Journal for a man to run an eltr. —Fred Rose, Homer, Ill.

I enjoy reading the Grain Dealers Journal and certainly appreciate what you are doing for the country grain dealers.—I. E. Clark, Walnut, Kan.

Supply Trade

Faustin Prinz of Milwaukee, Wis., has been elected pres. of the recently formed Home Savings Bank of that city.

The Hastings Foundry & Machine Works has recently made a shipment of Success Manlifts to J. B. Ehrsham & Sons.

Fall business is coming in well and the N. P. Bowsher Co. reports that this will be one of the best years in the history of the company.

A catalog in the Chinese language has been issued by the Barnard & Leas Mfg. Co., which is building up an export trade in grain and mill machinery.

The original promoter of the up-lift movement was Oliver Evans, the inventor of the cup-belt elevator leg. All those who have cum after him are merely imitators.

The Hastings Foundry & Machine Works is about to issue a new catalog of its elevator equipment including the latest fireproof elevator supplies such as Birchard's, Distributor, Success Manlift and Elevator Boot, made by the company. Readers of the Grain Dealers Journal will be furnished a catalog upon request.

One of the most interesting exhibits at Chicago during the recent convention of the Grain Dealers National Ass'n was the remarkable machine for cleaning wild oats out of wheat, made by the Huntley Mfg. Co. Large power machines on this novel principle of separation which is so effective are being made by the company, which also will build hand-power machines for seed dealers.

If you are reasonably sure that your product is right; that its price is what the public ought to pay for it; that the logical channels of distribution are open; that your advertisements tell your story plainly; that the mediums used are read by the class you want to reach, and still the returns are not satisfactory, there are just two more things to do—increase your appropriation and persist.—*Mahin Messenger.*

The Marseilles Co. has succeeded the Marseilles Mfg. Co. and the general offices of the company have been removed from Marseilles to East Moline, Ill., where its new plant has just been placed in operation. The capital stock has been increased from $250,000 to $750,000, the new plant representing an investment of more than half a million dollars, being equipped in every detail for accurate, rapid and economical manufacture.

The advertisement is the powder. The projectile is the goods. With powder you can make a noise, a smell, and a large expense account, but you cannot touch the target. Unless you furnish the projectile in the shape of good goods, you are betraying the advertising man and throwing away your money.—*Mahin Messenger.*

With the new Hess drying plant now under construction at Portland, Maine, for the Grand Trunk System, the chain of Hess Driers at exporting points will be complete, for these machines are installed at Galveston, Texas City, Westwego, La., New Orleans, Mobile, Newport News, Philadelphia, Baltimore, New York, Boston and Portland. The drier is likewise used by many grain handling railroads at their interior terminal eltrs., Chicago, Omaha, Kansas City, Nashville, Memphis, Cleveland and other grain centers.

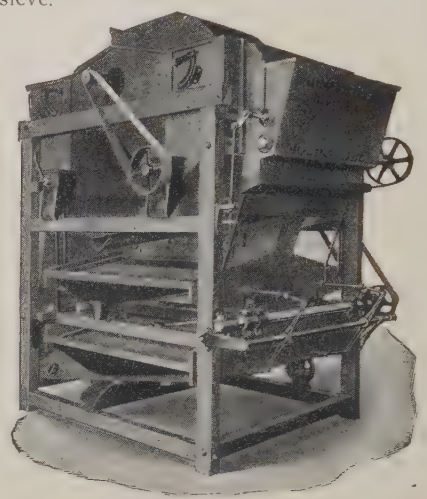
A General Purpose Grain Separator.

The double grain separator which is shown in the engraving herewith is designed to handle rough grain in elevators as well as for mills. It comprises a large sieve to remove the trash, a second sieve receiving grain from an intermediate feed box, automatic gates and sieve cleaning brushes.

The grain enters first upon the large sieve having an end-shake, this motion in line with the travel of the grain keeping the trash moving and causing it to tail over; this sieve, being well covered with the material, flows the impurities, oats and coarse grains to the second sieve, the trash tailing over being discharged separately.

The feed box on top of the second sieve spreads the grain and delivers it to the double side-shake sieves thru openings on each side controlled by the automatic gates. The first or upper edge of these sieves is perforated with fine holes to remove the weed seeds and sand, which are shaken to the bottom of the mass while being spread in the feed box and are brot next to the sieves and under the mass of the grain as it passes out of the gates, greatly contributing to the efficiency of the sieve. Both the seed sieve and the grain sieve being on the same plane are kept perfectly clean by the same set of sieve cleaners.

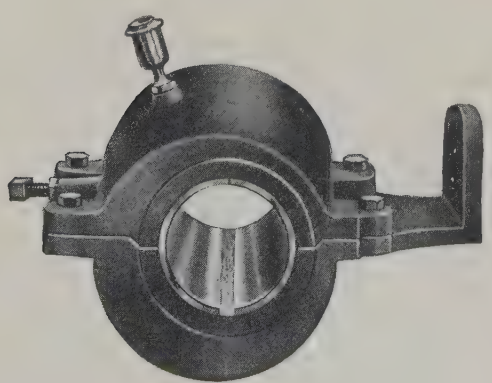
The sieve-cleaning device is of improved design, cleaning every inch of the sieve several times a minute. The brushes are under the sieve, and thus lift the trash out of the holes instead of assisting it to pass thru with the grain. Sagging of the perforated metal is prevented and the sieve kept always level by the support afforded by the brushes which are only 8 inches apart for the entire width of the sieve.



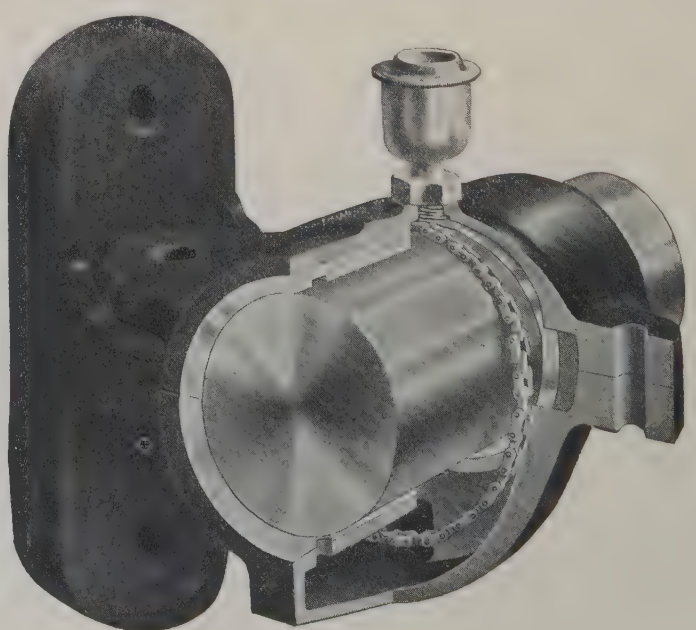
A Barnard & Leas Double Separator.

Air separations used are those found by the makers to give the best practical results. Improvements have greatly increased the capacity of the machine in proportion to sieve area, and as there is very little tendency to tail over fine sieves can be used and still retain good capacity. Each sieve is under the eye of the operator, and can be removed easily and quickly, without disturbing any other part of the machine, simplicity and accessibility characterizing this machine.

An example of the studied effort by the designer to give the user a machine that will remain in adjustment and run a long time without repairs, is shown in the bearings illustrated in the engravings herewith. These are the latest style of chain oiling bearings, dust-proof, with large oil wells and fitted with brass grease cups. Their great length gives long wear; and



Eccentric Box.



Grain Separator Chain Oiling Bearing.

the oil grooves distribute the lubricant over the entire surface and return the surplus oil to the well so that the outside of the bearing is always clean and free from oil. The flexible chain ring carries the oil up evenly and constantly over the shaft.

All the eccentric boxes are made self-oiling by means of a wick which extends the full length of the bearing from the oil well on the bottom of the bearing to the lower side of the shaft thru an opening between the two inside parts of the bearing. The inner boxes adjust themselves as to be perfectly in line in every direction, and as they press equally on the shaft, never heat when properly oiled. The front one of the inner boxes is adjustable by means of a set screw in the outer box. Information as to the dimensions and capacities of the different sizes of this machine will be given on application to the manufacturers, the Barnard & Leas Mfg. Co., Moline, Ill.

Books Received

AGRICULTURAL GRAPHICS is a pamphlet of 67 pages containing 88 maps of the United States and the world on which large circular dots show the relative size of the different farm products for the average year. Bulletin 78, Buro of Statistics, U. S. Dept. of Agri., Washington, D. C.

FUNCTIONS OF THE LEGITIMATE EXCHANGES.—We are indebted to Geo. F. Stone, sec'y of the Chicago Board of Trade, for a copy of this volume just published containing chapters on the Function of Produce Exchanges, Object and Function of Chicago Board of Trade, Buying and Selling for Future Delivery, the Value of Speculation in the Produce Trade, and Evils in the Produce Exchange, Their Cure. All phases of the subject are covered by the eminent jurists, statesmen and merchants whose recent writings have been compiled in this 300-page book, together with statements before the Scott Anti-Option Committee and extracts from the special committee appointed by Governor Hughes of New York, the facts set out in detail thoroly demonstrating the necessity of marketing grain thru exchanges as at present conducted in order to reduce the middleman's profit to the minimum. Those who have assumed that the Boards of Trade need regulation could read this volume and have the greater part of their ignorance dispelled.

BOOK OF THE CHICAGO BOARD OF TRADE contains well written chapters by Geo. F. Stone, sec'y, on the history and usefulness of the Board of Trade, by W. M. Hopkins on the Transportation Department of which he is manager, by John C. F. Merrill, vice pres., on Speculation, by Chief Weighmaster H. A. Foss on the Weighing Department, by Chief Sampler R. P. Kettles on the Department of Grain Sampling and Seed Inspection, by W. S. Cowen, chief inspector, on the Illinois State Grain Inspection Department, and by John A. Bunnell on the provision market. In its mechanical execution this book is a fine example of the printers' art. Its 10x12 pages of clean-cut type on the best enameled paper are very attractive to the reader. Many appropriate engravings illustrate the text and the cover is handsomely embossed. It is a fitting souvenir of one of the world's greatest institutions and as such will be treasured. Copies were distributed at the recent Chicago convention of the Grain Dealers National Ass'n. The book was designed and prepared by James W. Turner, of La Grange, Ill., long identified with the state grain inspection department.

Exports of Hay.

Hay amounting to 33,360 tons was exported during the eight months prior to Sept. 1, compared with 41,763 tons exported during the corresponding period of last year.

Canadian hay in transit to foreign countries was received and shipped during the first eight months of the year at these five ports on the Atlantic seaboard, Baltimore, Boston, New York, Philadelphia and Portland, Me., amounting to 24,181 tons, as reported by O. P. Austin, chief of the Buro of Statistics.

Greater Wheat Crops in America.

Alarmists predict that we shall be importing wheat into the United States within 40 years, but Prof. M. A. Carleton analyzes the situation as follows: Production can be increased in two ways—(1) by an increase in the number of acres in cultivation and (2) by an increase in the yield per acre.

The number of acres in cultivation may be increased by (1) increasing the percentage of wheat acreage, (2) by expansion of the improved area of old farms and (3) by reclaiming swamp lands. The total land area of the United States is 1,900,947,200 acres of which, in 1900, 44.1 per cent, or 838,317,700 acres, was in farms. The improved farm area has been only about one-half of the total farm area, but, at the present rate of expansion, in 1950 it will be 40 percent of the total land area, or 760,000,000 acres.

The percentage of farm area in wheat in 1870 was 4.5%; 1880, 6%; 1890, 6%; 1900, 5%; and in 1910, 4.8%. At this rate the possible wheat area, on the basis of the 1950 farm area, is 1,330,000,000 acres. The above shows the enormous possible wheat acreage in 1950. But let us be more conservative in our methods and consider that the present farm area will not increase in the least. The increase of wheat acreage in the same farm area in 1909 was 4.5% and in 1910 was 4.8%; at this rate it should be 6% in 1950. The total wheat area in 1910 was 50,500,000 acres; in 1950 it would be 80,000,000 acres.

Current opinion holds that the yield of wheat per acre is decreasing; but the fact is that the yield per acre is increasing. The increase per acre during the past 40 years was 1.8 bus. This increase has been due to the introduction of new varieties of seed and to better methods of cultivation, which have only a fair beginning. It is difficult to estimate the probable yield for 1950, but at the rate of the past 40 years it should be 20 bus. per acre. At this rate the total yield for 1950 would be 1,600,000,000 bus.

The consumption of wheat per capita in this country, including seed and wheat flour (at 4½ bus. per barrel), was 5.02 bus. in 1870; 5.52 bus., 1880; 5.49 bus., 1890; 5.11 bus., 1900; 6.39 bus., 1906; 6.34 bus., 1908; and a little more than 6 bus. for 1910. This shows an increase per capita of about 1 bu. since 1870. We may suppose an equal increase in the consumption for the next forty years which would be 7 bus. in 1950.

At the rate of 7 bus. per capita, a population of 160,000,000 will require 1,120,000,000 bus. of wheat. This amount taken from the conservative estimate of 1,600,000,000 bus., estimated above for 1950, leaving a surplus of 480,000,000 bus. Suppose that the population in 1950 reach the high estimate of 200,000,000, the consumption at 7 bus. per capita would be 1,400,000,000 bus., leaving a surplus of 200,000,000 bus. And if the consumption reached 8 bus. per capita, which is quite improbable, the supply would just equal the demand.

Hence, taking the most conservative estimates, this country will at least not be importing wheat for some time. And considering the great possibilities of the more scientific methods of farming, we may be exporting more wheat in 1950 than we are today.

Sample Envelopes
Non-Sifting
Designed especially for mailing samples of grain and seed. Specimens Free.
TULLAR ENVELOPE CO.
67 Larned St. Detroit, Mich.

CHOICE PECANS
In Local Lots Only
For Sample and Price write
Early-Ramey Co.
Brownwood, Texas

The host of users of our
Special Grain Shovel Rope
and all other owners of Car Pullers would do well to use our Marline-Covered
CAR PULLING ROPE
It's a great thing.
DURABLE WIRE ROPE CO.
BOSTON 26-30 Atlantic Ave. CHICAGO 105 N. Canal Street

The Jacob Schmahl Co.
26-30 Lloyd Street
Buffalo, N. Y.
We guarantee our GRAIN ELEVATOR SPOUTING to run to your entire satisfaction.
We also make TANKS, LEGS, BUCKETS and sheet steel work of all kinds

Kennedy Car Liners
ARE THE
modern, cheap, sure way of preventing leakages in transit.
MADE BY
FRED W. KENNEDY
Shelbyville, Ind.

Patents Granted

Sieve. No. 971,770. (See cut.) James McDaniel, Seattle, Wash. In a grain separator, a sieve or screen composed of angle plates having openings for the grain to pass thru and means in openings which vibrate with respect to the remainder of the sieve, preventing foreign matter from lodging in the openings.

Grain Door. No. 971,621. (See cut.) William K. Lavis, La Grange, Ill. A grain door consisting of a number of sheet metal sections adapted to slide horizontally across the door opening, and supporting guides on the car wall at one side of the door opening, the sections having their upper edges bent to form ledges engaging the guides.

Bag Holder. No. 973,355. (See cut.) Edward P. Kendall, Bowdoinham, Me. The combination of a fixed conical holder, a supporting arm secured to the upper part, an incomplete clamping ring beneath the arm partially surrounding the holder, a horizontal supporting arm for the clamping, a vertically movable guide rod to which the arm is secured and a foot lever for vertically moving the guide rod.

Brush Cleaner for Sieves. No. 971,715. (See cut.) Wm. D. Anderson and James G. Anderson, Milwaukee, Wis. A device comprising a flexible non-metallic frame sufficiently inelastic to permit constant variations in outline when in use, and metallic bearing members embracing short portions of the under surface of the frame at separated points along its outer margin, and brushes clamped by bearing members to the frame.

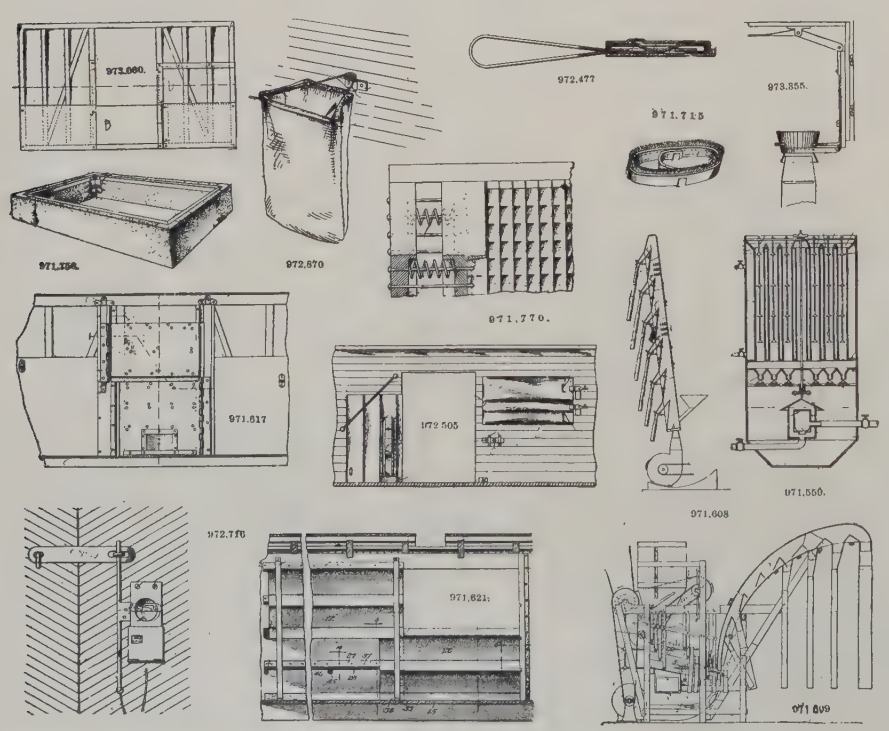
Process of Cleaning and Separating Grains. No. 971,609. (See cut.) Axtel T. Hedfeldt, Chicago. The process of separating mixed grain by spreading out and feeding over a supporting perforated body transversely to an air current forced from below and passing with the material to be separated along a confined upwardly and laterally extending path and discharging the material therefrom at intervals depending upon the weight of the materials.

Grain Drier and Steamer. No. 971,559. (See cut.) Peter Provost, Milwaukee, Wis. A casing with a partition therein having hopper-like depressions with tubes depending from and opening into said depressions, parallel tubes within the casing and above and in vertical alinement with the depressions in the partitions and spaced from the partition, a spreading device below each of the tubes depending from the depressions and means for shifting spreading devices toward or away from the partition.

Grain Cleaner and Separator. No. 971,608. (See cut.) Axel T. Hedfeldt, Chicago, assignor to Hedfeldt Company. A device for sorting material with a straight air chute slightly inclined with a screen like diaphragm across and near its lower end and adapted to permit the passage of air from an air blast device discharging thru it, means for conveying material onto the diaphragm so that the particles thereof will be carried up by the air blast to altitudes proportioned inversely to the weight of such particles, with a series of discharge apertures arranged at intervals along the lower side of the chute to receive material.

Grain Door. No. 972,505. (See cut.) Rado B. Catton and Ira C. Catton, Brimfield, Ill. A door including a sheet-metal leaf pivoted at one of its lower corners to swing in a vertical plane and provided on the edge coming uppermost when closed with a flange extending away from the door opening and a second sheet-metal leaf pivoted at one edge to swing in a horizontal plane and provided with a grooved flange at its lower edge to engage over the flange of the first leaf when the door is closed whereby a bearing is provided between the edges of the leaves and the first leaf secured from opening by the closing of the second leaf.

Car Sealing Device. No. 972,716. (See cut.) Edward Lincoln Pitts, Yuma, Ariz., assignor of one-third to Jacob E. Ludy and one-third to John M. Hess, Yuma, Ariz. The combination with the car and the door, and the hook and the staple for the holding the door closed, of a rod passing thru the staple and provided with a lateral lug intermediate, its ends having a vertical opening, a seal comprising a stem for engaging the opening and a head adapted to rest on the lug, a casing on the car, a lateral opening for receiving the lug, a hook having a point formed into a cutting edge pivoted in the casing above the lug, the point of the hook engaging behind the seal when the lug is entered.



Car Seal. No. 972,477. (See cut.) Frank L. Shadley, Sterling, Neb. A seal comprising a casing or head and a sheet metal shackle having a bent back portion at one end, having an elongated slot therein, and a tongue projecting from the strap below said slot, the other end of the shackle having an opening near its free end and a rearwardly projecting spring tongue, the head or casing having a socket in its upper face in which to receive the end of the spring and retain the shackle within the casing.

Pit for Wagon Scales. No. 971,758. (See cut.) Gerry Jones, Binghamton, N. Y., assignor to Edward F. Jones, Binghamton, N. Y. An open reinforced concrete frame with a metal frame running around and resting upon the top face of the concrete frame and extending below the top and bearing against the inner face of the concrete frame with angular brackets fitting in the inner corners and secured to the corresponding corners of the metal frame, clevises secured on brackets and levers connected to the clevises.

Grain Door. No. 971,617. (See Cut.) Walter H. Jump, Carroll, Ia., assignor of one-third to Frank Beiter and one-third to John Beiter, Carroll, Ia. The combination with a car and its doorway, of jamb plates connected to the inner side of the car at opposite sides of the doorway, the jamb plates being formed with slots and provided with flanges on opposite sides of the slots, attaching strips mounted for a vertical movement in said channels, upper and lower door sections hingedly connected to swing in opposite directions away from the door-way and spring latches mounted behind the jamb-plates and adapted to engage the lower end of the door sections and to hold them open in an elevated position.

Sack-Holder. No. 972,870. (See cut.) Emelia F. Kandlbinder, Shreveport, La. A sack-holder constructed of a single piece of spring wire twisted upon itself intermediate of its ends to form an attaching shank, the wire being then separated and coiled in opposite directions to form a complete intermediate convolution, upper and lower one-half convolutions constituting an eye, the wire being then extended from the one-half convolutions to form outstanding arms which diverge outwardly from the coiled portions, each of said arms being formed with an inner crimp and an outer crimp, these crimps extending outwardly and upwardly in planes oblique to the planes of the convolutions, the outermost crimps terminating in outwardly deflected extremities.

Grain Door. No. 973,060. (See cut.) Elisha E. A. Martin, Union City, Tenn., assignor of one-half to H. A. Beck, Union City, Tenn. A car having a door opening, door posts, a sliding door movable horizontally and vertically across one of the posts, the other post having a guide channel for the reception of the outer end of the door, the door having a lug projecting thru it near its lower inner corner; a lining, a strip spaced from the door post across which the door moves so that it operates between the post and strip, the strip having a vertical recess on its inner edge opposed to one end of and extending above the lining, the upper end of the recess opening laterally above the lining and forming shoulder, the lug of the door operating in the recess and coacting with the opposing strip and lining to hold the door in a closed position when lowered and bearing upon the upper edge of the lining and supporting the inner end of the door when the latter is in elevated open position and means to support the outer end of the door when the latter is in such position.

Agitation to remove the restrictions on the importation of malt is serious in Germany.

The export business in wheat is very poor and looks as tho we will have to meet their price. In two months the Argentine crop will be moving.—W. Knight.

Grain Carriers

The first trainload of wheat over the Grand Trunk Pacific Railway arrived Oct. 11 at Fort William, Ont.

The inquiry into proposed advances in rates to eastern points has been postponed until Nov. 21 and the final argument to Dec. 14.

The Topeka & Northwestern branch of the Union Pacific, which has been under construction for 5 years, will be opened for traffic Nov. 1.

Grading has been finished on the cut-off of the Chicago, Milwaukee & Puget Sound R. R. into Belgrade, Mont., tapping a rich grain center.

Grain shipments eastbound thru the Sault Ste. Marie Canal during September were 3,133,984 bus.; against 4,452,794 bus. during September, 1909.

Objections to the reduction of free time in New England from 96 to 48 hours were heard recently at Boston by Interstate Commerce Commissioners Prouty and Lane.

Six express companies have obtained an injunction of court restraining the Illinois Railroad & Warehouse Commission from enforcing its new schedule of rates making sweeping reductions.

European and American bankers have agreed to continue handling Bs/L as in the past until Dec. 31, when it is thought a proposed surety company can be organized to guarantee the validity of Bs/L.

Milling in transit rules agreed upon by carriers and grain shippers at Louisville have not been promulgated by the roads, which are said to contemplate including in their tariffs other trades in which commodities are rehandled in transit.

A small circle with a short line extending from the top has been adopted by the transcontinental lines to indicate rates increased by tariffs. The Interstate Commerce Commission some time ago ordered that all increases be shown by a sign of some sort.

Vessel rates on wheat from Duluth to Buffalo are the lowest of the season, at 1 cent per bu. At Chicago the rates are low and boats find it necessary to load for several different shippers to make up the cargo. For winter storage at Buffalo the rate is 2 cents per bu.

Compensation to shippers who load and unload freight cars promptly was advocated at a recent meeting of the Chicago Traffic Club by Arthur Hale, chairman of the railway relations committee of the American Railway Ass'n, as promising a great increase in the efficiency of rolling stock.

Strict compliance by carriers with the long and short haul clause of the law will be required by the Interstate Commerce Commission, which on Oct. 14 gave an order permitting carriers to file applications for thru rates less than the sum of locals. In its order the Commission reaffirms its previously expressed view that a thru rate or fare that is higher than the combination of the intermediate rates or fares is prima facie unreasonable [Rule 56 (b) Tariff Circular 17-A] and will insist upon the application of that principle at the earliest possible date in every instance except possible extreme and very unusual cases.

On oats to Boston the lake and rail rate is 17.48c; against 17½c all rail from Chicago. Of the all rail rate the proportion east of Buffalo 8.45c out of 17½c. On the lake and rail rate the proportion for the haul west of Buffalo is 13.44c, showing a discrimination against lake boats of 5 cents, depriving shippers of the facilities and the farmers of the added price naturally theirs by reason of the Chicago-Buffalo water route.

Shippers may urge the Interstate Commerce Commission to hasten its rate decisions without effect, but when the printers' union petitions the Commission to decide speedily pending rate cases in order that the labor unions may receive the $15,000 per day spent by the railroads in printing new tariffs the matter becomes serious. This recent incident calls attention to one burden of useless expense borne by shippers indirectly that could be retrenched if rates were stable and tariffs simplified.

In attacking the rate system under which the transportation of grain from Buffalo to Boston costs 5 cents per 100 lbs. more if the grain reaches Buffalo by boat than if it arrives by rail the Chicago Board of Trade strikes at the root of a principle on which are based some of the most unwarranted discriminations against markets and routes. To the eastern roads it is a self evident proposition that by raising the rate on lake grain for the rail haul that completes the transportation shippers can be driven to make shipments all rail and thereby increase the volume of rail traffic and profits of the carriers. When a car of grain is tendered for transportation at Buffalo on the tracks of the carrier it should not concern the carrier whether the grain arrived at Buffalo by boat, rail, aeroplane of balloon.

Geo. T. Bell, commissioner of the traffic buro of the Sioux City Commercial Club, testified very fully before Examiner A. B. Mackley regarding the rate discrimination against Sioux City at the hearing there Oct. 12. The hearing was adjourned to Oct. 24 at Chicago. Mr. Bell testified that in his opinion Sioux City is strategically located on the railroad map to make a primary grain market on an equality with Minneapolis, Omaha and Kansas City. The object of the present and alleged detrimental transit rates, he said, is to confine grain shipments from the point of origin to destination on one road. This method was adopted by the roads to eliminate competition in a measure. Local rates into Sioux City he declared were excessive and unreasonable.

The greatest shortage of hay known in the Northwest is reported from Seattle, caused by bad weather during the haying season in Montana, Idaho and Oregon. Only in the southwestern part of Washington is there a normal crop and the price is soaring. The crop of timothy and wheat hay in Washington and Montana is estimated at 45,000 to 60,000 tons. Pacific coast cities are paying $18 per ton for timothy hay. The government's purchase of immense quantities for shipment in Alaska and the Philippines has depleted supplies held over from last year. Prices of timothy and clover hay must advance enormously. Stock owners on the Pacific coast expect to pay $30 per ton for the cheapest forage during the coming winter. A good supply of wheat hay is being cut and stacked in Washington.

The ELLIS DRIER CO.

Few Elevator Operators

realize what an Ellis Cold Air Drier and Conditioner means to the business. It is a fact that a large percentage of the grain you handle can be raised at least a grade and at a nominal expense. We will be glad to send particulars on request.

ELLIS DRIED IS NATURE'S NEAREST WAY

Postal Telegraph Building,
CHICAGO, U. S. A.

Precautions for Shippers.

The following precautions have been recommended to shippers by Supervisor John Dower of the department of weights of the Merchants Exchange of St. Louis, Mo.

The loss of grain from cars while in transit is an absolute waste. It benefits no one and as a matter of economy, if for no other reason, it should be prevented or at least reduced to a minimum.

A correct scale is essentially the most important factor in a shipper's financial success. Why? Because it enables him to substantiate a claim for short weight.

The shipper should not think his scale is correct but should *know it*, as it is just as liable to be against him as in his favor.

Should a car arrive in a leaky condition lack of good weights is a decided handicap in collecting a claim.

The condition of a car in which grain is shipped is co-important with the condition of the scale. Why? Because a sound and well coopered car will reduce leakage to a minimum thereby obviating the necessity of making a claim.

A sound, well coopered car is an *absolute necessity* where a shipper cannot show good weights. Why? Because should the car arrive in good condition he can rest assured that with Merchants' Exchange supervision of weights his interests will be protected.

The following causes are responsible for practically all leakage in transit:

1. Old and unsound equipment which cannot be sufficiently coopered to stand the strain of a heavy load.
2. Rough handling of cars while enroute.
3. Careless coopering by shippers.

It is important that shippers should carefully examine cars from the inside before loading. Bear in mind that the part of least resistance is first to bulge or burst; therefore double your grain doors; it is better to have them too strong than too weak.

Never load a car having weak or broken door posts, end posts or side framing, as the lateral pressure in a car of grain is very great and no amount of cheese cloth lining will effectually prevent leakage should the posts or framework burst out.

The worst leaks and the most difficult to stop are those usually found over the trucks and around the king bolt and draft timbers.

Make it a rule always to cover draft timbers especially in old cars where bolt heads are countersunk in the floor.

Be as careful in your examination before loading of new and newly repaired cars as you are with all others.

Do not load dilapidated cars nor cars with leaky roofs.

Spliced doors are always dangerous and should be spiked securely from both sides making the laps as near to doorposts as possible.

All grain doors should be sufficiently long and where door posts are weak the doors should extend about a foot beyond the opening.

Grain doors made of boards should be securely battened from top to bottom in center and both ends.

Battens on outside of grain doors should be lapped well down and securely nailed to the bottom board.

When warped lumber is used for grain doors and when nails or spikes prevent grain door boards from fitting closely, use bagging to fill in between door posts and warped surface.

Fasten end doors with a cleat when there is no other way. Have end windows boarded up leaving no cracks for grain to work through. A good plan is to cover them over with cheese cloth or old bagging.

After loading a car with bulk grain always examine sheathing carefully by tapping with a mallet—make the car grain tight.

Bulk heads should be battened and securely braced at center to floor, also brace well at ends with 2x4 pieces to sides. Never build bulk head in center of car so that it will touch any part of grain door.

Always cleat cars when seals are tacked on or when they cannot be properly applied.

It is very necessary to have your own seals, numbered consecutively, as it will identify the car with your loading point besides showing proper care on your part.

Apply seals so that door cannot be opened without breaking.

"An ounce of prevention is worth a pound of cure." Cultivate carefulness in all that pertains to loading your cars and you will find it a good investment.

The city police of London have recently started a campaign against bucket-shops.

ORGANIZED 1883

The Western Millers' Mutual Fire Insurance Company

KANSAS CITY, MO.

CHAS. H. RIDGWAY, Secretary.

SAFE INDEMNITY

Flour Mills, Elevators, Warehouses, and contents.

Report of Committee on Demurrage.

The report of the demurrage committee of the Grain Dealers National Ass'n was not read at the annual meeting. It follows:

There have been no special matters referred to your Committee on Demurrage during the year and no specific action has been taken.

The question of whether demurrage is purely a local matter, and under the jurisdiction of the State authorities or whether the Interstate Commerce Commission has jurisdiction over demurrage on shipments that have been, or may become Interstate Commerce, is the first important question to be settled, and which if settled in favor of State authorities will avoid having two sets of car service rules in effect at the same point, as is now the case in Ohio and several of the other states, greatly to the annoyance of receivers, shippers and carriers. Quite a number of the State Railroad Commissions, after thorough consideration of the matter, have arrived at the conclusion that they had full jurisdiction over all demurrage matters whether the shipments in themselves were State or Interstate.

The Kentucky Commission in an elaborate and apparently well grounded argument and conclusion issued in pamphlet form, March 2, 1910, takes this position very decidedly, but avoid a controversy with the carriers by adopting the so called uniform rules already put in force by the railroads of the State. They cite numerous authorities and decisions which seem to conclusively support them in their position. Any one particularly interested in this feature of the demurrage question should write the Commission and obtain a copy of this pamphlet.

The Ohio laws were so amended last winter that the Railroad Commission of that State is now presumed to have jurisdiction over all demurrage matters within that State, and proceedings have been commenced before the Commission by the Ohio Shippers Association asking that the two sets of car service rules now being used be set aside and that only one set of rules shall hereafter be enforced in the State and that they shall be the rules adopted and promulgated by the Ohio Railroad Commission. This proceeding it is expected will be carried into the courts in such a way as to settle directly the question of jurisdiction.

Until this question is definitely settled we cannot know what may be done.

It is quite evident that the Interstate Commerce Commission itself does not believe it has jurisdiction in these matters, although by some of its acts it assumes to have; however, it tactfully avoids any controversy that might lead to an adjudication of the matter in the courts.

There was apparently no attempt to cover this point in the amendment of the Railroad law by the last Congress, but the best legal advice I can get is that it did not succeed, because Congress has no power or control over a purely local matter.

Respectfully submitted.
E. W. Seeds, Chairman.

The Grain Dealers Journal is all right. —O. C. Horton & Son, Tonkawa, Okla.

Farmers near Dayton, Wash., are said to be holding 2,000,000 bus. of wheat in warehouses at a heavy cost for storage. Some of the grain has been held two years.

THE OLD RELIABLE

MICHIGAN MILLERS MUTUAL FIRE INSURANCE CO.

ORGANIZED 1881

LANSING, MICH.

INSURES ELEVATORS AND GRAIN

PERMANENT OR SHORT TERM POLICIES

MILL OWNERS MUTUAL FIRE INSURANCE COMPANY

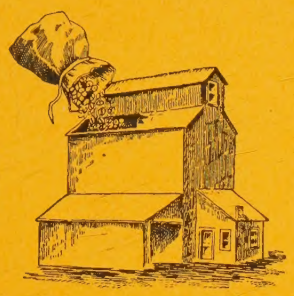
DES MOINES, IOWA

The Oldest Millers Mutual Fire Insurance Company in America.

Cash Assets over $300,000

J. T. SHARP, Secretary

Fire Insurance Companies



Your Money *is deposited* In Your Elevator

instead of in the bank. When filled with grain you need to protect it with our

Special Grain Policy

We will be glad to give you particulars concerning our regular policies and this Policy with Cancellation Privilege, making the lowest cost Short Term Grain Insurance.

Write for the cost per month per $1000 insurance.

Grain Dealers National Mutual Fire Insurance Co.
INDIANAPOLIS, IND.

BRANCH OFFICES:

Sioux Falls, S. D. **Kansas City, Mo.**

ORGANIZED SEPTEMBER 1897

GRAIN SHIPPERS' MUTUAL FIRE INSURANCE ASSOCIATION

IDA GROVE, IOWA

Insurance in force . .	$7,355,000.00
Losses paid to date . . .	448,000.00
Saved to Policyholders over .	250,000.00

No Premium Notes.

We write Fire, Lightning and Tornado Insurance for long or short term.
MEMBERS' LIABILITY LIMITED. F. D. BABCOCK, Sec.

ORGANIZED 1878

The Millers' Mutual Fire Insurance Association of Illinois

ALTON, ILLINOIS

Insures Elevators, Mills, Grain Warehouses and Contents of same at cost.

Insurance in force - -	**$13,920,249.80**
Cash Surplus - - - -	**329,927.51**

GEORGE POSTEL, President A. R. McKINNEY, Secretary

Address all Correspondence to the Company at Alton, Ill.

GAS ENGINE BOOKS

Operators of Gasoline engines who encounter difficulties in the care or operation of gas and gasoline engines will find each of the following books of great assistance.

THE PRACTICAL GAS ENGINEER. by E. W. Longanecker, M. D., Price $1.00.
THE GAS AND GASOLINE ENGINE, by Norman & Hubbard, Price, $1.00.
THE GAS ENGINE HANDBOOK, by E. W. Roberts, Price, $2.00.
GAS ENGINE TROUBLES AND REMEDIES, by Albert Stritmatter, Price, $1.00.
PLAIN GAS ENGINE SENSE. by E. L. Osborne, Price, $1.00.

For any of the above address, GRAIN DEALERS JOURNAL, 255 La Salle St., Chicago

INSURANCE BUYERS QUESTIONS ANSWERED

Here are three questions which every buyer of insurance should ask, and our answers

QUESTIONS:	OUR ANSWERS:
Is the Company Sound?	**Gross Assets $5,288,714.18**
Will it Pay Its Losses?	**Losses Paid $6,054,303.83**
Is the Cost Reasonable?	**Costs 50% Less than Basis Rates**

Investigate our rates and methods.

MILLERS NATIONAL INSURANCE CO.

OFFICERS

C. H. SEYBT, President — C. B. COLE, Vice-President
M. A. REYNOLDS, Secretary — F. S. DANFORTH, Assis't Secretary

AGENCY MANAGERS

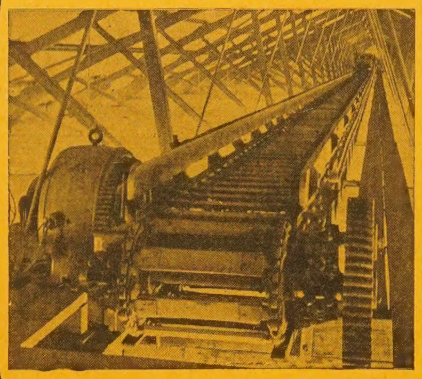
I. N. JUST, Seattle, Washington, Pacific Coast Agency
H. M. GILES, Minneapolis, Minnesota, Northwestern Agency
CHAS. H. RIDGWAY, Kansas City, Missouri, Southwestern Agency
E. K. SCHULTZ, Philadelphia, Pennsylvania

DIRECTORS

C. B. COLE, Chester, Illinois
A. FASSLER, Topeka, Kansas
H. S. HELM, Minneapolis, Minnesota
JOSEPH LeCOMPTE, Lexington, Kentucky
H. K. WOLCOTT, Batavia, Illinois
SAMUEL PLANT, St. Louis, Missouri
M. A. REYNOLDS, Chicago, Illinois
C. H. SEYBT, Highland, Illinois
J. H. MacMILLEN, Minneapolis, Minnesota

205 La Salle Street, - - - CHICAGO, ILL.

Grain Handling Equipments



Consult Us Before Purchasing Machinery for your Grain Elevator or Flour Mill.

Send today for our literature "Kf," state your requirements and we will promptly submit plans and prices.

The Jeffrey Mfg. Co.

Columbus, = = Ohio

Chicago Office: Fisher Building

Handle Grain "THE WEBSTER WAY"

This means High Efficiency and Low Cost in running your Elevator

We furnished the Complete Equipment of Elevating, Conveying and Power Transmitting Machinery for the Big Elevator of the Boston and Albany Ry. Co. just erected at East Boston, Mass.

WEBSTER M'F'G CO.

2410-2432 West 15th Street CHICAGO

New York Office: 88-90 Reade Street

Kansas City Representative: W. J. Murphy, 225 Exchange Bldg.

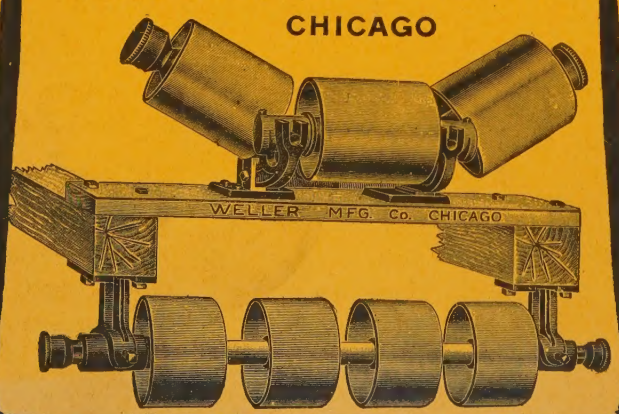
WELLER-MADE

Adjustable Troughing Carrier

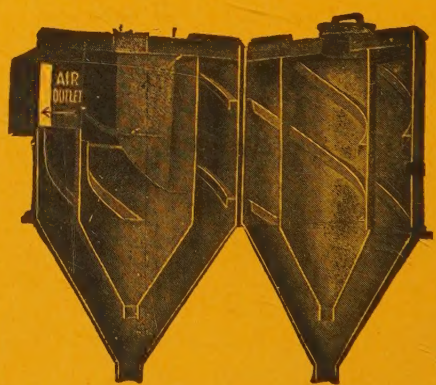
These carriers are giving great satisfaction where used in connection with our belt conveyors, for handling all kinds of materials in elevators and flour mills. Send for 512-page catalog which describes other styles, together with the entire line of WELLER-MADE Elevating, Conveying and Power Transmission Machinery.

WELLER MFG. CO.

CHICAGO



The Day Dust Collector



Quality coupled with service rendered

is remembered long after the PRICE is forgotten.

The saving of H. P. over other collectors through the least resistance to fan as well as satisfactory results obtained, has put the DAY Collector where it belongs, at the very head of the list.

Hundreds of satisfied users throughout the country corroborate above statements.

Write us for prices when in need of a collector.

THE DAY COMPANY

1122 Yale Place Minneapolis, Minn.